

## AGENDA

### **Oakland-Macomb Interceptor Drain Drainage Board** Macomb and Oakland Counties

**March 18, 2020 – 11:30 a.m.**

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

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 March 18, 2020
3. Motion to approve the Drainage District Board Meeting Minutes from February 19, 2020
4. Public Comment
5. Present Memorandum requesting the Board approve the proposed operating budget, cost allocation, and Capital Improvement Program for the rate year beginning July 1, 2020
6. Present for discussion Drainage District bonding and the current market
7. Motion to approve the following Engineering Work Order:  
ASI Additional Environmental and Investigation Services on the NESPS Mechanical and Electrical Upgrades Project for an amount not to exceed \$43,244
8. Motion to approve the following Change Order:  
Change Order No. Four for CSM Mechanical, LLC for a net increase in the amount of \$14,129.29
9. Motion to approve the following Construction Estimate:  
Construction Estimate No. Seven for CSM Mechanical, LLC for a payment to the contractor in the amount of \$713,476.30 and a transfer of \$38,579.19 for deposit as retained funds
10. Report/Update – Status of OMI Project, Segments 1 through 4, NESPS
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 \$ 4,385.63
      - Segment 4 Odor Corrosion Study \$ 18,896.25

	• Segment 4 Mileage		\$ 983.25
2)	Equipment Charges		
	• Segment 4		\$ 462.66
	• Segment 4 Odor Corrosion Study		\$ 2,409.09
3)	Reimbursement of Drain Revolving Fund		\$ 289.76
b)	Applied Science, Inc.		
	Invoice No. 13	O&M	\$ 126,679.81
c)	CDM Smith		
	Invoice No. 90094298	O&M	\$ 2,883.26
d)	Ch2m		
	Invoice No. 14	Seg. 4	\$ 38,531.46
e)	Clark Hill		
	Invoice No. 958030	O&M	\$ 1,215.00
f)	Jacobs		
	Invoice No. 697317CH018	Seg. 1	\$ 11,928.66
g)	Kennedy Industries		
	Invoice No. 616153	O&M	\$ 2,311.38
h)	METCO		
	Invoice No. 1811-14	O&M	\$ 30,498.90
i)	NTH Consultants, Ltd		
1)	NI-EA – Engineering Design Services for Rehabilitation of NI-EA Sections	PCI-4	
	Invoice No. 9	O&M	\$ 124,140.85
2)	REPAIRS – OMID System Immediate Repairs		
	Invoice No. 13	O&M	\$ 1,407.16
3)	NI-EA – NI-EA Lining Options and Study		
	Invoice No. 18	Seg. 4	\$ 630.40
4)	NESPS – Construction Material Testing for NESPS Odor/Corrosion System		
	Invoice No. 5	Seg. 4	\$ 6,450.99
5)	NESPS CCA – Emergency Rehabilitation of the NESPS Discharge Chamber		
	Invoice No. 50	Seg. 4	\$ 1,000.81
j)	PMA Consultants		
	Invoice No. 03559-87	O&M	\$ 6,148.78
k)	Rotor Electric		
1)	Invoice No. 12289	O&M	\$ 2,411.59
2)	Invoice No. 12296	O&M	\$ 4,902.00
3)	Invoice No. 12297	O&M	\$ 534.15
l)	Walsh Construction Company		
	Invoice No. 220008	O&M	\$ 254,518.00

13. Present for approval the following OMIDDD Underground Maintenance and Miscellaneous Service Contracts:

- a) Cortis Bros.
- b) D'Angelo Brothers

14. Present for approval an NESPS Transition Project Budget Increase of \$100,000

15. Present for discussion authorizing Pete Webster and Joe Viviano to:

- a) Change the Drainage District services agreement from Macomb County to the Macomb Interceptor Drain Drainage District, and

b) Proceed with working with GLWA to approve the services area

16. Other Business

17. Adjourn

Next Regular Meeting: April 15, 2020 at the *Office of the Oakland County Water Resources Commissioner, One Public Works, Building 95 West, Waterford, Michigan* at 11:30 a.m., Eastern Standard Time.

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

February 19, 2020

Minutes of the regular meeting of the Drainage Board of the Oakland-Macomb Interceptor Drain Drainage District held at the office of the Oakland County Water Resources Commissioner, One Public Works Drive, Building 95 West, Waterford, Michigan on the 19<sup>th</sup> day of February at 11:30 a.m. Eastern Standard Time.

**PRESENT:**

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

**OTHERS PRESENT:**

Representing the office of the Macomb County Public Works Commissioner: Brian Baker and Keith Lumma. Representing the office of the Oakland County Water Resources Commissioner: Steven Korth, Megan Koss, Evans Bantios, Tricia Bruzek and Brian Coburn. Others in attendance: Brady Harrington, MDARD; Fritz Klingler, FK Engineering; Shawn Phelps, OC Fiscal Services; Larry Gilbert, NTH Consultants; Jason Matteo and Bill Diesing, Jacobs; Jim Kelley and Sal Saputo, Meadowbrook Insurance.

1. Call meeting to order.

Chairperson Gregg called the meeting to order at 11:54 a.m.

2. Agenda.

Steve Korth requested that Agenda Item No. 11 (Meadowbrook Liability and Property Insurance Policy Renewal Update) be addressed as new Agenda Item No. 6. Motion by Miller, supported by Nash, to approve the February 19, 2020 agenda as amended.

AYES: Gregg, Miller and Nash

NAYS: None

3. Minutes.

Motion by Nash, supported by Miller, to approve the minutes of the January 15, 2020 meeting.

AYES: Gregg, Miller and Nash

NAYS: None

4. Public Comment. None.

5. Executive Summary regarding OMID Corrosion Control Study  
Jason Matteo and Bill Diesing gave a project review of the OMID Corrosion Control Study (as attached). They provided an overview of their data-collection effort, modeling platform and system challenges. Alternatives for mitigating odor and corrosion, including vapor and liquid-phase options, were thoroughly detailed. Jacobs recommended implementing vapor-phase control. Discussion took place regarding pipe lining, accelerated corrosion and sediment buildup. Motion by Miller, supported by Nash, to receive and file the Executive Summary regarding the draft OMID Corrosion Control Study.

AYES: Gregg, Miller and Nash  
NAYS: None

6. Liability and Property Insurance Policy Renewal Update.  
Sal Saputo of Meadowbrook Insurance provided information to the board regarding the status of the Drainage District's property insurance. Saputo noted Chubb will write the Drainage District's coverage and will do so retroactively to January 25, 2020. Saputo provided a handout comparing past Drainage District property insurance coverage to what was proposed by Chubb. Discussion ensued regarding the aforementioned and definitions in the policy, along with deductible options. Motion by Nash, supported by Miller, to approve the proposed Chubb insurance policy with a \$3,000,000 deductible, authorize the Secretary to execute a no known loss letter with a retroactive date of January 25, 2020 and authorize payment of the premium in the amount of \$344,761.

AYES: Gregg, Miller and Nash  
NAYS: None

7. Engineering Work Order.  
The following Engineering Work Order was submitted to the Board for approval: NTH Order No. D-414 for Additional Design and CCA Services for the New Hydraulic Control Gate for CS-9 for an amount not to exceed \$189,426. Motion by Nash, supported by Miller, to approve the NTH Engineering Work Order for an amount not to exceed \$189,426 as presented.

AYES: Gregg, Miller and Nash  
NAYS: None

8. Construction Pay Estimate.  
The following Construction Pay Estimate was submitted to the Board for approval: Construction Estimate No. Six for CSM Mechanical, LLC for a payment to the contractor in the amount of \$321,325.15 and a transfer of \$35,702.79 for deposit as retained funds in an interest-bearing account in a regulated financial institution in accordance with Act No. 524 of the Michigan Public Acts of 1980. Motion by Nash, supported by Miller, to approve Construction Pay Estimate No. Six as presented.

AYES: Gregg, Miller and Nash

NAYS: None

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

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

AYES: Gregg, Miller and Nash

NAYS: None

10. Financial Reports.

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

AYES: Gregg, Miller and Nash

NAYS: None

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		\$	\$5,760.31
• Segment 4 Odor Corrosion Study		\$	20,353.61
• Segment 4 Mileage		\$	1,279.33
2) Equipment Charges			
• Segment 4		\$	600.00
• Segment 4 Odor Corrosion Study		\$	2,247.36
3) Reimbursement of Drain Revolving Fund		\$	345.66
b) Applied Science, Inc.			
Invoice No. 7521	O&M	\$	112,983.53
c) Bioair			
Invoice No. 1-20004	Seg. 4	\$	79,615.00
d) CDM Smith			
Invoice No. 90092080	O&M	\$	24,011.81
e) Ch2m			
Invoice No. 13	Seg. 4	\$	143,526.04
f) CSM Mechanical, LLC			
1) Invoice No. OMIDD003	O&M	\$	491.76
2) Invoice No. OMIDD004	O&M	\$	278.40
3) Invoice No. OMIDD005	O&M	\$	926.38
4) Invoice No. OMIDD006	O&M	\$	657.52
5) Invoice No. OMIDD008	O&M	\$	2,439.00
g) D'Angelo Brothers Inc.			
Invoice No. 6457-WRCOMID	O&M	\$	4,996.70

h)	Dickinson Wright			
	1) Invoice No. 1439744	O&M	\$	35.00
	2) Invoice No. 1447211	O&M	\$	560.00
i)	Jacobs			
	1) Invoice No. 697317CH016	Seg. 1	\$	27,522.34
	2) Invoice No. 697317CH017	Seg. 1	\$	13,617.64
j)	Kennedy Industries			
	1) Invoice No. 614099	O&M	\$	704.00
	2) Invoice No. 615975	O&M	\$	3,085.00
	3) Invoice No. 615977	O&M	\$	1,276.00
k)	Konecranes			
	Invoice No. 154205346	O&M	\$	31,250.00
l)	Meadowbrook Insurance Agency			
	1) Excess Liability 2 <sup>nd</sup> Layer Renewal Invoice No. 3743	O&M	\$	32,640.00
	2) Excess Liability Renewal Invoice No. 3744	O&M	\$	87,545.00
	3) General Liability Renewal Invoice No. 3770	O&M	\$	213,726.85
	4) OMIDD Pollution Liability Renewal Invoice No. 3772	O&M	\$	60,372.50
m)	METCO			
	Invoice No. 1811-13	O&M	\$	47,702.67
n)	Motor City Electric Technologies Inc.			
	1) Invoice No. 92879	O&M	\$	154.00
	2) Invoice No. 92880	O&M	\$	443.46
	3) Invoice No. 92881	O&M	\$	154.00
	4) Invoice No. 92882	O&M	\$	269.50
	5) Invoice No. 92883	O&M	\$	1,211.08
	6) Invoice No. 92884	O&M	\$	192.50
	7) Invoice No. 92885	O&M	\$	154.00
	8) Invoice No. 92886	O&M	\$	616.00
	9) Invoice No. 92887	O&M	\$	616.00
	10) Invoice No. 92888	O&M	\$	616.00
o)	NTH Consultants, Ltd			
	1) NESPS – Additional OMID Rehabilitation Closeout Services Invoice No. 6	O&M	\$	3,587.12
	2) NI-EA – Engineering Design Services for Rehabilitation of NI-EA Sections PCI-4 Invoice No. 8	O&M	\$	105,405.17
	3) REPAIRS – OMID System Immediate Repairs Invoice No. 12	O&M	\$	5,597.93
	4) NI-EA – NI-EA Lining Options and Study Invoice No. 17	Seg. 4	\$	947.41
	5) NESPS – Construction Material Testing for NESPS Odor/Corrosion System			

	Invoice No. 4	Seg. 4	\$	2,135.31
6)	NESPS CCA – Emergency Rehabilitation of the NESPS Discharge Chamber			
	Invoice No. 49	Seg. 4	\$	1,898.24
p)	PM Technologies			
1)	Invoice No. 134622	O&M	\$	1,348.52
2)	Invoice No. 134306	O&M	\$	1,504.00
q)	Rotor Electric			
1)	Invoice No. 12280	O&M	\$	6,639.11
2)	Invoice No. 12281	O&M	\$	796.80
3)	Invoice No. 12282	O&M	\$	9,514.50

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

AYES: Gregg, Miller and Nash

NAYS: None

12. Other Business. None.

13. Adjourn.

Motion by Nash, supported by Miller, to adjourn the February 19, 2020 meeting at 2:19 p.m.

AYES: Gregg, Miller and Nash

NAYS: None

Next Regular Meeting: March 18, 2020 at the *Office of the Oakland County Water Resources Commissioner, One Public Works, Building 95 West, Waterford, Michigan* at 11:30 a.m., Eastern Standard Time.



I hereby certify that the foregoing constitutes the minutes of the Drainage Board for the Oakland-Macomb Interceptor Drain Drainage Board, at a meeting held on February 19, 2020 and that the meeting was conducted and public notice was given in compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes were kept and will be or have been made available as required by the Act.

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

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Jim Nash, Secretary  
Oakland-Macomb Interceptor Drain Drainage Board

**Agenda Item No. 3**

Board Meeting Minutes from February 19, 2019

## **Agenda Item No. 4**

### **Public Comment**

## **Agenda Item No. 5**

Memorandum regarding operating budget,  
cost allocation and Capital Improvement Program



## Oakland-Macomb Interceptor Drain Drainage District

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

**FROM:** Brian Coburn, P.E.; Chief Engineer WRC  
Vincent Astorino, Operations and Flow Manager MCPWC

**SUBJECT:** Rate Year (RY) 2020/21 Budget Recommendation

**DATE:** March 18, 2020--REVISED

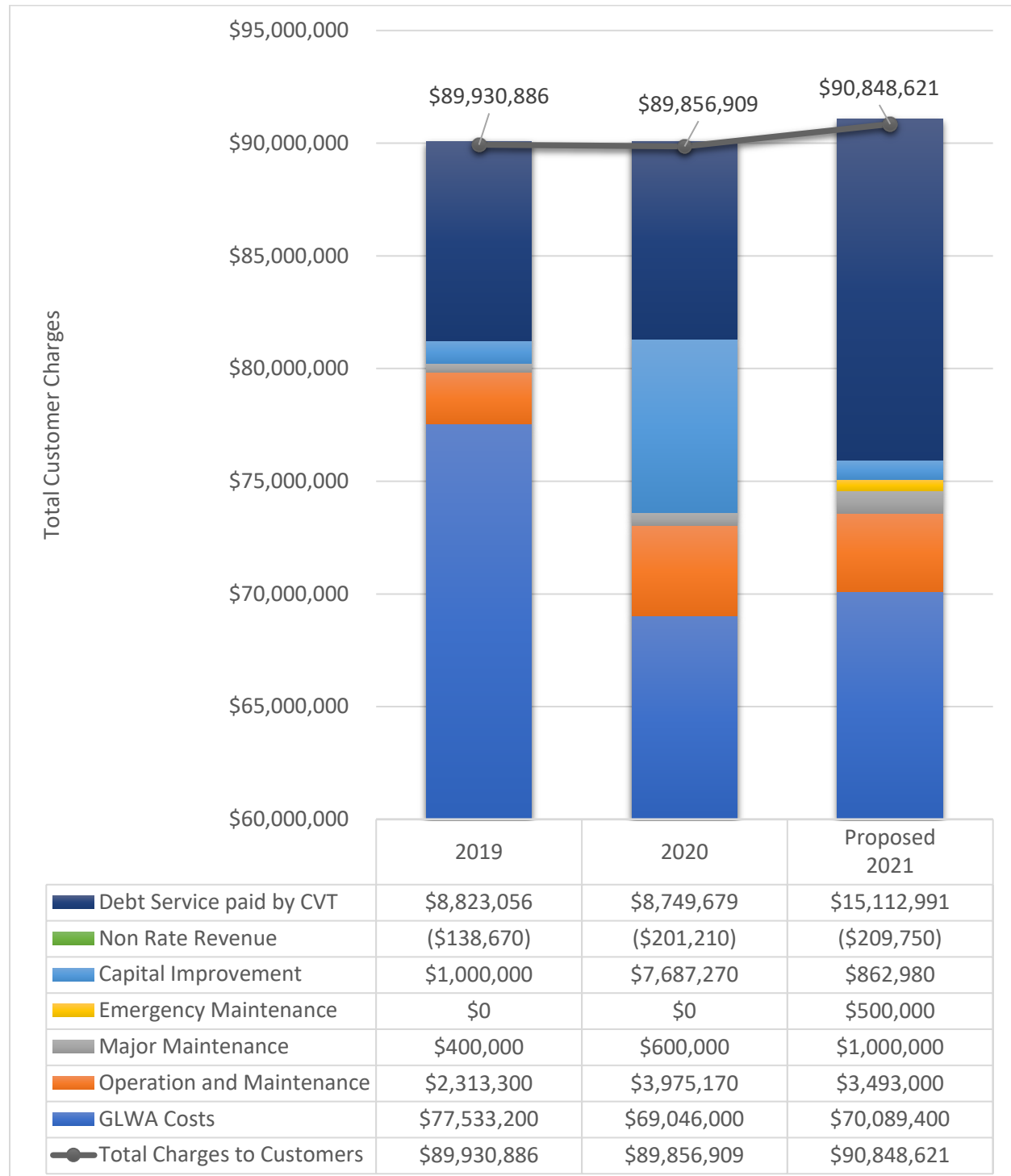
Staff of the Macomb County Public Works Commissioner's Office and the Oakland County Water Resources Commissioner's Office recently met to discuss the budget, cost allocation, and capital improvement plan for the upcoming rate year. Staff recommends that the Board approve the proposed sewer charges contained herein for the rate year beginning July 1, 2020.

The main elements of the proposed budget and sewer charges are as follows:

- 1) The Great Lakes Water Authority (GLWA) approved a 1.5% increase in sewer charges to OMIDDD.
- 2) The proposed operation and maintenance budget includes a decrease of 12.1% (see Exhibit A)
- 3) The proposed revenue requirement is decreased by 7.1% to offset the future debt obligation to the customer communities for improvements to the Northeast Pump Station and North Interceptor East Arm. While OMIDDD plans to issue \$80 million to \$100 million in new debt, the total cost to the customer communities (OMIDDD charges plus direct debt payments) will only increase by 0.6% on average in 2021 (see Figure 1).
- 4) The method for determining the split between Oakland and Macomb was approved on March 20, 2019 and will remain in place through RY 2024/25 unless GLWA modifies the sewer charge methodology. The cost allocation using this methodology is as follows:
  - a. GLWA common-to-all and OMIDDD operations and maintenance costs are allocated based on the nine-year rolling average as shown in Exhibit B. This year's allocation is 32.02% Clinton Oakland Sewage Disposal System (COSDS) and 67.98% to the Macomb Interceptor Drain Drainage District (MIDDD).
  - b. GLWA's Combined Sewage Overflow Program is allocated 39.48% to COSDS and 60.52% to MIDDD per the 1999 Rate Settlement Agreement.
  - c. Capital Improvement Reserve contributions are allocated based on the current GLWA Contract Capacity split of 33.10% for the COSDS and 66.90% for the MIDDD.
- 5) The budget proposes to fund \$725,000 of new major maintenance work and \$4,337,110 of new capital improvements from the OMIDDD operation and maintenance fund, in addition to projects that are not revenue financed (see Exhibit C).

**Recommended Action:** Approve the proposed operating budget (Exhibit A), cost allocation (Exhibit B), and the Capital Improvement Program (Exhibit C) for the rate year beginning July 1, 2020, as presented.

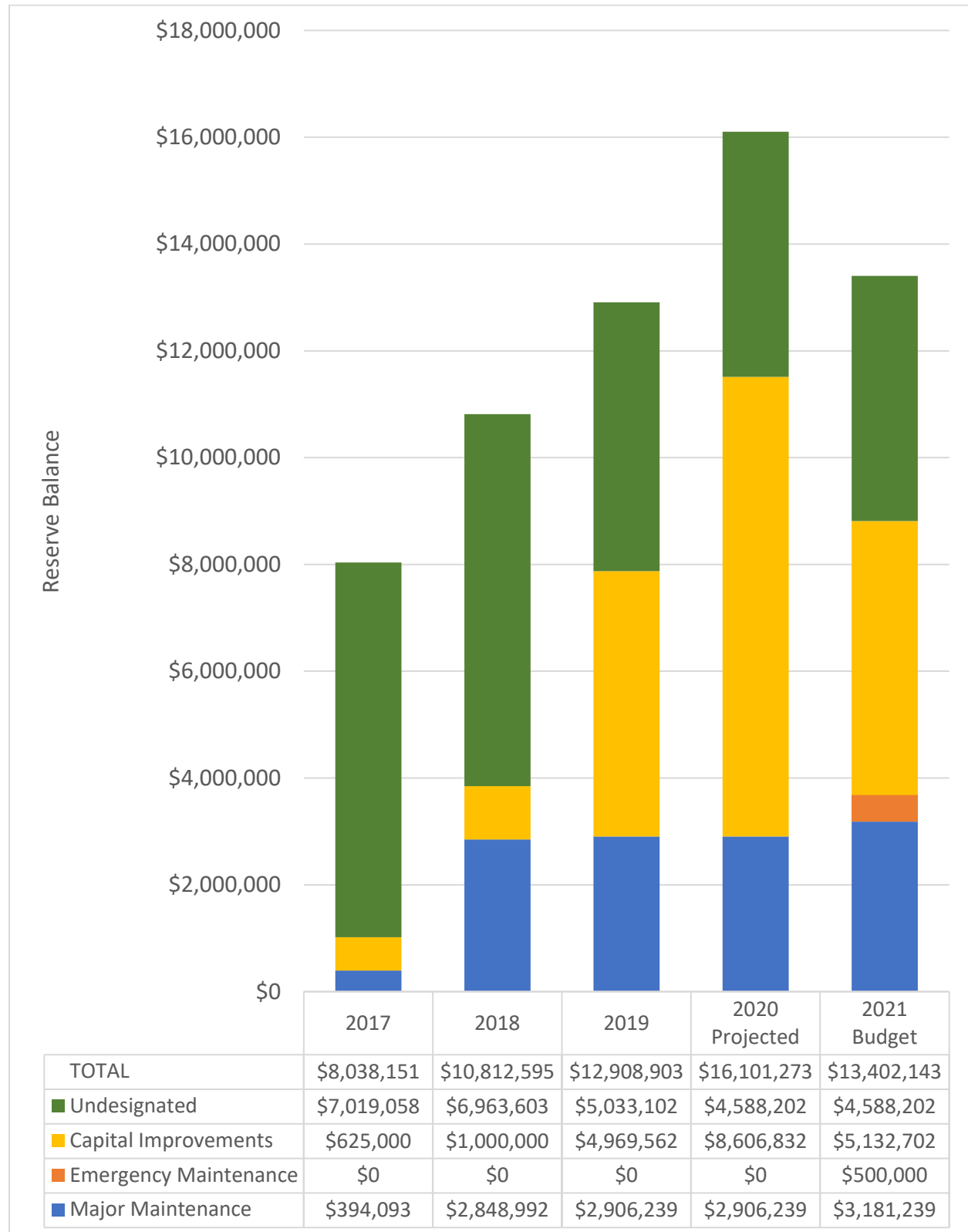
**FIGURE 1. Total Sewer Charges allocated to OMIDDD Customers**



**Notes:**

- The decrease in GLWA costs from 2019 to 2020 was a result of the amended contract allowing OMIDDD to maintain and finance improvements to the GLWA Leased OMIDDD-only facilities.
- The Debt Service Paid by CVTs is the sum of the apportionments to the local units of government that receive a benefit from the improvements and are paid directly by those units outside of the OMIDDD Monthly Charges. They are included in this chart for demonstration of total cost to the customer community.

**FIGURE 2. OMIDDD Maintenance Fund Reserve Balances**



Effective July 1, 2020

# Exhibit A

**Annual Operating Charges**

	Current 2020	2021	COSDS	MIDD	Annual		Monthly	
	Budget	Budget	%	%	COSDS	Macomb	COSDS	MIDD
<b>GLWA</b>								
Common-to-all and OMIDDD Charges		\$ 68,455,000	32.02%	67.98%	\$ 21,919,291	\$ 46,535,709		
CSO Program		1,634,400	39.48%	60.52%	645,261	989,139		
Total	69,046,600	70,089,400			22,564,552	47,524,848	\$ 1,880,379.33	\$ 3,960,404.00
<b>OMIDDD</b>								
Operations and Maintenance Expense								
Sewer System Maintenance	1,386,710	1,583,750	32.02%	67.98%	507,117	1,076,633		
Sewer System Engineering	70,100	15,360	32.02%	67.98%	4,918	10,442		
Pump Maintenance Unit	2,063,000	1,767,270	32.02%	67.98%	565,880	1,201,390		
Systems Control Unit	71,060	110	32.02%	67.98%	35	75		
Mapping Unit	13,620	1,900	32.02%	67.98%	608	1,292		
Miss Dig	490	370	32.02%	67.98%	118	252		
General and Administrative	370,190	124,240	32.02%	67.98%	39,782	84,458		
Subtotal	3,975,170	3,493,000			1,118,458	2,374,542	93,204.83	197,878.50
Non Operating	-	-	32.02%	67.98%	-	-	-	-
Major Maintenance	600,000	1,000,000	32.02%	67.98%	320,200	679,800	26,683.33	56,650.00
Emergency Maintenance	-	500,000	32.02%	67.98%	160,100	339,900	13,341.67	28,325.00
Capital Improvement	7,687,270	862,980	33.10%	66.90%	285,646	577,334	23,803.83	48,111.17
Subtotal	8,287,270	2,362,980			765,946	1,597,034		
O&M Non-Rate Revenue	(201,210)	(209,750)	32.02%	67.98%	(67,162)	(142,588)	(5,596.83)	(11,882.33)
<b>FY 2021 Total Fixed Charges</b>	<b>\$ 81,107,830</b>	<b>\$ 75,735,630</b>			<b>\$ 24,381,794</b>	<b>\$ 51,353,836</b>	<b>2,031,816.16</b>	<b>4,279,486.34</b>

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	1,674,500	1,673,375
2010B	188,345	-
2011A mfa 5368-02	1,622,750	1,624,125
2013A mfa 5368-03	3,952,800	3,954,200
2014A	465,894	469,694
2015A mfa 2001-01	546,750	542,750
2019 refunding	298,640	433,848
Estimated NESPS and NIEA Debt*	-	6,415,000
Total Debt Service	8,749,679	15,112,991
<b>Total OMIDDD Related Revenue Requirements</b>	<b>89,857,509</b>	<b>90,848,621</b>

\* Estimated NESPS and NIEA Debt - Principal \$100,000,000, 20 Years, 2.5% Interest



# Oakland-Macomb Interceptor Drain Drainage District

Rate Year (RY) 2019/20 Budget

March 13, 2020

Effective July 1, 2019

## Exhibit B

### Flow Data

Year	Fiscal Year	OMID FMWG Flows		DWSD Rate Simplification Flows		OMIDDD Allocation Flows	
		COSDS (cfs)	MIDDD (cfs)	COSDS (cfs)	MIDDD (cfs)	COSDS (cfs)	MIDDD (cfs)
1	FY1011	33.69	73.23	31.64	67.33	32.67	70.28
2	FY1112	33.25	71.00	32.44	68.00	32.85	69.50
3	FY1213	29.89	62.82	NA	NA	29.89	62.82
4	FY1314	30.74	64.80	NA	NA	30.74	64.80
5	FY1415	29.74	64.76	NA	NA	29.74	64.76
6	FY1516	29.36	65.08	NA	NA	29.36	65.08
7	FY1617	30.63	66.50	NA	NA	30.63	66.50
8	FY1718	34.05	69.60	NA	NA	34.05	69.60
9	FY1819	34.05	69.60	NA	NA	34.05	69.60
		9 Yr Average				31.55	66.99
		Percent				32.02%	67.98%

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 FY0910 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**  
**CAPITAL IMPROVEMENT PROGRAM**  
**March 18, 2020**

**Maintenance Reserve (Fund 82912)**

Project No.	Project Description	2020 Projected	2021 Proposed
	<b>Total Maintenance Reserve Revenue</b>	<b>\$600,000</b>	<b>\$1,000,000</b>
1-2842	NESPS Operational Transition	\$19,974	\$0
1-3014	NESPS Emergency Contingencies Project	\$228,536	\$250,000
1-3015	OMID Immediate Repairs Project	\$1,433,978	\$0
<b>NEW</b>	PLC Replacement at NESPS Generator		\$150,000
<b>NEW</b>	NEXGEN (Asset Management) Implementation		\$300,000
<b>NEW</b>	Generator Tank Paint/Gas Line Modifications		\$25,000
	<b>Total Maintenance Reserve Expenses</b>	<b>\$1,682,488</b>	<b>\$725,000</b>
	<b>MAINTENANCE RESERVE BALANCE</b>	<b>\$1,823,751</b>	<b>\$2,098,751</b>

**Capital Reserve (Fund 82912)**

Project No.	Project Description	2020 Projected	2021 Proposed
	<b>Total Capital Reserve Revenue</b>	<b>\$7,687,270</b>	<b>\$862,980</b>
1-3017	NESPS Security Upgrades	\$297,000	\$0
1-3016	OMID Flow Control Improvements	\$482,744	\$1,887,110
1-3018	NESPS Drywell Elevator Upgrades	\$312,838	\$0
1-3020	NESPS Mechanical and Electrical Upgr/Design	\$1,926,565	\$0
1-3019	OMID NIEA Sewer Rehabilitation Design	\$2,908,054	\$0
<b>NEW</b>	OMID PCI-7 Bypass Feasibility Analysis	\$0	\$1,000,000
<b>NEW</b>	Pipe Lining PCI-7	\$0	\$450,000
<b>NEW</b>	Hydrogen Sulfide Mitigation in OMID	\$0	\$1,000,000
	<b>Total Capital Reserve Expense</b>	<b>\$5,927,201</b>	<b>\$4,337,110</b>
	<b>CAPITAL RESERVE BALANCE</b>	<b>\$6,729,631</b>	<b>\$3,255,501</b>

**Construction Funds**

Project No.	Project Description	Construction Fund	Remaining Funds Committed for Capital Projects (In-progress)
1-2892	Odor Corrosion Study	84912-Segment 1	\$106,036
1-1557	Interceptor Segment 3	84914-Segment 3	\$26,149
1-1913	Interceptor Segment 4	84915-Segment 4	\$6,124,374
1-2041	NESPS Pump Install	84915-Segment 4	\$7,979
1-2232	NESPS Gatehouse	84915-Segment 4	\$81,013
	<b>Total Remaining Expense in Construction Funds</b>		<b>\$6,345,550</b>

**Future 2020-2021 Bonded Projects**

Project No.	Project Description	Project Estimate
<b>NEW</b>	NESPS Mechanical and Electrical Construction	\$61,300,000
<b>NEW</b>	NIEA Improvements	\$37,900,000
	<b>Total Future 2020-2021 Bonded Projects</b>	<b>\$99,200,000</b>

**Agenda Item No. 6**

Discussion regarding Drainage District  
bonding and the current market

**Agenda Item No. 7**

Engineering Work Order for ASI



## 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 ASI EWO for Environmental and Material Investigation Services as Part of the NESPS Mechanical and Electrical Upgrades Project

**DATE:** March 18, 2020

During the course of the design of the Northeast Sewage Pumping Station (NESPS) Mechanical and Electrical Upgrades Project, the design team has determined that there is a need to perform additional hazardous material, environmental and material testing in and around the station. This testing is necessary for proper handling and disposal of demolished material (soil and equipment) as well as proper design and replacement of critical components. As NTH has previously done this type of testing as part of the NESPS Odor and Corrosion project, we believe they are best suited to perform this work under Applied Science's existing contract #5470. Accordingly, ASI and NTH have developed the attached proposal that includes the following services:

1. **Task 1: Hazardous Material Survey.** The proposed survey will include evaluation and testing of asbestos-containing materials, lead and cadmium-containing paints, polychlorinated biphenyls equipment, mercury-containing devices, stored chemical containers and other hazardous materials requiring special offsite disposal.
2. **Task 2: Subsurface Environmental Investigation (SEI).** The proposed SEI will include evaluation of subsurface conditions in the area of the proposed electrical building, transformer pads, and solar panel area, and near the fuel oil UST. The work will include the drilling of up to 6 geoprobe borings and associated testing of obtained soil and water samples for contaminants.
3. **Task 3: Discharge Pipe Wall-thickness Testing.** Review construction documents and reports to ascertain background on the discharge piping through the station wall. In addition, use ultrasonic thickness equipment to measure the pipe walls.

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

<b>Task 1: Hazardous Material Survey</b>	<b>\$18,975</b>
<b>Task 2: SEI</b>	<b>\$11,890</b>
<b>Task 3: Discharge Pipe Wall Thickness Testing</b>	<b>\$10,320</b>
<b>ASI Markup:</b>	<b>\$2,059</b>
<b>Total:</b>	<b>\$43,244</b>

The total fees for this work is \$43,244. An Engineering Work Order has been created to include the above scope of work and associated fees to ASI's existing contract #5470.

**Requested Action:** Approve the attached engineering work order to increase ASI's contract #5470 by an amount not to exceed \$43,244.

**OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

One Public Works Drive

Phone: (248) 858-0958

Waterford, Michigan 48328-1907

No. -

**ENGINEERING WORK ORDER**

FOR: OMID NESPS Mechanical and Electrical Upgrades-Environmental/Investigation Services  
Amendment to Contract #5470 For Additional Engineering Design Services

TO: Applied Science Inc. (ASI) DATE: 3/4/20

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

This Engineering Work Order (EWO) is required to define specific additional tasks and compensation related to the OMID NESPS Mechanical and Electrical Upgrades Project that falls under the aforementioned sections of contract #5470. This EWO serves as your approval for compensation of the following additional services needed for the project as delineated in your February 21, 2020 proposal:

Retain NTH Consultants, Ltd. to perform the following scope of services:

1. **Task 1: Hazardous Material Survey.** The proposed survey will include evaluation and testing of asbestos-containing materials, lead and cadmium-containing paints, polychlorinated biphenyls equipment, mercury-containing devices, stored chemical containers and other hazardous materials requiring special offsite disposal. The HMS does not include the wet well or any other areas requiring confined space entry.
2. **Task 2: Subsurface Environmental Investigation (SEI).** The proposed SEI will include evaluation of subsurface conditions in the area of the proposed electrical building, transformer pads, and solar panel area, and near the fuel oil UST. The work will include the drilling of up to 6 geoprobe borings and associated testing of obtained soil and water samples for contaminants.
3. **Task 3: Discharge Pipe Wall-thickness Testing.** Review available documents to ascertain background on the discharge piping through the station wall. These documents include, but are not limited to, construction documents and specifications such as, site plan, civil, architectural, geotechnical, and structural documents. NTH is to also review previous condition assessment reports, restoration documents, test records, or as-built drawings. Finally, use ultrasonic thickness equipment to measure the pipe walls.

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

<b>Task 1: Hazardous Material Survey</b>	\$18,975
<b>Task 2: SEI</b>	\$11,890
<b>Task 3: Discharge Pipe Wall Thickness Testing</b>	\$10,320
<b>ASI Markup:</b>	\$2,059
<b>Total:</b>	\$43,244

**Fees for this Engineering Work Order shall be billed on a time and material basis according to the rate schedules included with the proposal. Subconsultants and expenses are allotted a markup of 5%. The total amount of the Engineering Services Agreement is to be increased by a not to exceed amount of \$43,244. This amount is not to be exceeded without written authorization from the Oakland-Macomb Interceptor Drain Drainage District (OMIDDD) Board.**

**PREPARED**      **DATE:** \_\_\_\_\_

**RECOMMENDED**      **DATE:** \_\_\_\_\_

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

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

**ACCEPTED**      **DATE:** \_\_\_\_\_

**APPROVED**      **DATE:** \_\_\_\_\_

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

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

**Approved by Drainage Board on:** \_\_\_\_\_

**Agenda Item No. 8**

Change Order No. Four for CSM Mechanical, LLC



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

CONTRACTOR: CSM Mechanical, LLC

**Authorization for:**

1.) Replacement of failed 6" Gate Valve; 2.) Installation of 3 new water system fittings for future tie-in; 3.) Providing additional structural concrete for the Trickling Filter foundation pads.

Address: 7400 Hickory Valley Drive  
Fenton, MI 48430

Change Order No.: 4 Date: February 28, 2020

Auth No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
4-1	<p><b><u>LOCATION:</u></b></p> <p>Northeast Sewage Pumping Station (NESPS), located in the City of Detroit, Wayne County, Michigan</p> <p><b><u>DESCRIPTION: (Extra/ Add)</u></b></p> <p>Furnish skilled labor and accessories to install a replacement 6" dia. Gate Valve (furnished by GLWA at no cost) on Level 2 of the station non-potable water supply system.</p> <p><b><u>REASON:</u></b></p> <p>The existing valve surviving original facility construction failed to operate properly, and a new replacement was deemed necessary. The Contractor furnished the labor and accessory material ( nuts, bolts, and gaskets) to remove the existing valve and install the replacement unit furnished by the facility Owner.</p> <p>Attachments: CSM Mechanical quotation of 3/6/2020</p>	LS	1 ea	\$1,032.05	\$1,032.05	-0-

OMID Odor/ Corrosion Control Facility (NESPS); C.O. # 4

Auth No.	Location-Description-Reason	Unit	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
4-2	<p><b><u>DESCRIPTION: (Extra/Add):</u></b></p> <p>Furnish and install three ea. new 6"x6"x3" (flange by flange by flange) pipe tee fittings with companion flanges in the station water supply system currently under replacement by Contract.</p> <p><b><u>REASON:</u></b></p> <p>A review by the Project Owner of work in progress on the new station water supply system recognized the opportunity to install additional cooling water supply outlets for the proposed Sewage Pump replacement project currently in design. The Contractor was able to insert the new pipe fittings in the current piping revisions to accommodate this advantageous change.</p> <p>Attachments: CSM Mechanical Quotation of 3/6/20</p>	LS	1 ea	\$4,380.52	\$4,380.52	-0-
4-3	<p><b><u>DESCRIPTION: (Change/ Add)</u></b></p> <p>Provide compensation for the cost of additional formwork and furnishing and placing of concrete, including re-steel installation, for the BioAir Trickle Filter Equipment pad arrangement</p> <p><b><u>REASON:</u></b></p> <p>The dimensions for the various equipment mounting pads on the BioAir foundation slab as described on the Contract design drawings differed from those provided for in the BioAir shop drawing details that were included as Addendum No. One in the Proposal. The Contractor proceeded to construct the pads to the more robust dimensions resulting in additional effort for formwork, reinforcing steel, and concrete.</p> <p>Attachment: CSM Mechanical Quotation of 3/6/20</p>	LS	1 ea	\$8,716.72	\$8,716.72	-0-

**OMID Odor/ Corrosion Control Facility (NESPS); C.O. # 4**

<b>Auth No.</b>	<b>Location-Description-Reason</b>	<b>Unit</b>	<b>Est. Quant.</b>	<b>Unit Price</b>	<b>Amount Increase</b>	<b>Amount Decrease</b>
				<b>Totals</b>	<b>\$14,129.29</b>	<b>-0-</b>
				<b>Net Changes: Increase</b>	<b>\$14,129.29</b>	<b>-0-</b>

OMID Odor/ Corrosion Control Facility (NESPS); C.O. # 4

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



Date: 03-09-2020

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

Date: \_\_\_\_\_

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

Date: \_\_\_\_\_

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

Date: \_\_\_\_\_

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

Date: \_\_\_\_\_

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

Date: \_\_\_\_\_

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

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

Accepted by: \_\_\_\_\_ Date: \_\_\_\_\_  
Title

of: CSM Mechanical, LLC

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

This Change Order No. 4 was approved by the Drainage Board on: Date: \_\_\_\_\_

**Agenda Item No. 9**

Construction Estimate No. Seven for  
CSM Mechanical, LLC

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

Regular Construction Estimate No. Seven

February 1, 2020 through February 29, 2020

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

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

Contract No. # 5777

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

Original Contract Amount:		\$3,783,390.00
Previous Change Orders:	CO# 1, 2, and 3	\$154,872.78
Change Orders This Estimate:	None	\$0.00
Total Net Change Orders:		\$154,872.78
Adjusted Contract Amount:		\$3,938,262.78
Sub-Total To Date:		\$3,938,262.78
Less Deductions:	None	
Gross Estimate: (Work in Place)	59.3 % Complete	\$2,335,395.03
Less Amount Reserved : Lump Sum	(10% of 50% of Contract)	\$196,913.14
Total Amount Allowed To Date:		\$2,138,481.89
Less Previous Estimates:		\$1,425,005.59
Net Payment Request To Be Paid To Contractor:		\$713,476.30
Reserve Payment to Contractor		\$0.00
Accounting Auditor:		
Amount To Be Reserved (From Above)		\$196,913.14
Less Previous Transfers To Reserve:		\$158,333.95
Amount of Current Transfer:		\$38,579.19

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

Date: \_\_\_\_\_

Recommended by: \_\_\_\_\_  
Jason Matteo, P.E.; Jacobs

Date: \_\_\_\_\_

Recommended by: \_\_\_\_\_  
Evans Bantios, P.E. Oakland County WRC

Date: \_\_\_\_\_

Recommended by: \_\_\_\_\_  
Stephen Downing, P.E.; Macomb County OPWC

Date: \_\_\_\_\_

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

Date: \_\_\_\_\_

Regular Construction Estimate No. Seven

Approved By Board On: \_\_\_\_\_

**Agenda Item No. 10**

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

# Oakland Macomb Interceptor Drain (OMID) Repairs

## Project Progress Update

Prepared by:

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

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

### March 18, 2020 OMIDDD Board Meeting

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

#### SRF Segment 1 Status:

##### Contracts 1&2 – Complete

##### System-wide Odor/Corrosion Study – Ongoing:

Engineering Consultant: Jacobs Engineering

##### Project Budget Summary:

- |  |              |
|--|--------------|
| • Original Project Budget (including Fan Testing Allowance of \$60,000): | \$383,789.00 |
| • Total Spent (through January 2020):                                    | \$354,629.06 |
| • Remaining Budget (through January 2019):                               | \$29,159.94  |

##### Milestone Schedule Summary:

- Draft report including previously prepared tech memos, detailed model results, conceptual layouts, opinions of costs, and recommendations was delivered in January 2020.

##### Status of Major Project Tasks:

- Continued to advance conceptual design of vapor-phase odor/corrosion control alternatives.
- Finalized WATS sewer process model and AERMOD air dispersion modeling for drop connections with internal drops and existing CS-6 carbon units, respectively.
- Coordinated with OMIDDD representatives to incorporate review comments on draft report.
- Presentation of major findings and conclusions of study report to OMIDDD Drain Board on February 19, 2020.
- Preparation of final report ongoing and will be completed and submitted prior to April 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).



## March 18, 2020 OMIDDD Board Meeting

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

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

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

- East side Tnemec repairs are complete; west side repairs remain delayed as a result of Pump 1 damage incurred in January 2020 during testing. GLWA currently evaluating damage and effort necessary to repair. Tnemec Repairs are currently on hold pending condition assessment of Pump No. 1 and required repairs.

### **SRF Segment 3 Status:**

**Contract 4: Complete**

### **SRF Segment 4 Status:**

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

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

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

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

**Contract 6 – Complete**

**Contract 7 (NIEA Emergency Rehab) – Complete**

# March 18, 2020 OMIDDD Board Meeting

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## NESPS Odor/Corrosion Mitigation System (No Contract Number)

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

**Prime Construction Contractor:** CSM Mechanical, LLC

### Project Budget Summary:

- |   |                |
|---|----------------|
| • BioAir Solutions, LLC for Bio-Trickling Filter (BTF) Fabrication: | \$ 816,570.00  |
| • CSM Mechanical, LLC (General Construction Contractor):            | \$3,938,262.78 |
| • Jacobs (Design and CA/RPR) Budget (per EWO #3):                   | \$1,272,470.46 |
| • Remaining Jacobs Budget (through February 2019):                  | \$382,169.82   |

### Milestone Schedule Summary:

- Notice-to-Proceed letter sent to CSM on August 1, 2019.
- Installation of BTF at NESPS Substantial Completion, per Contract: February 6, 2020, but will be extended. This extension is not expected to impact the substantial completion of the HVAC improvements.
- BTF Acclimation, Start-up and Testing: Spring/Summer 2020.
- HVAC Improvements Substantial Completion: July 28, 2020.
- Project Final Completion: September 27, 2020

### Status of Major Project Tasks:

- Weekly Construction Progress Meetings continue; Beginning March 3, 2020 progress meetings will be scheduled bi-weekly.
- BioAir Solutions has fabricated and delivered all the major bio-trickling filter (BTF) components. The BioAir VFD cabinets and control panel were installed by CSM in early January 2020.
- CSM has completed concrete driveway demolition, excavation for BTF foundation and final concrete pours for the bio-trickling main foundation pad and associated duct supports. CSM has completed the Odorous Duct support foundations and light pole bases, and structural steel support columns have been installed.
- CSM has completed installation of water supply and drain lines on the exterior of the bio-trickling filter vessel, and installation of water supply and drain lines to equipment connections are ongoing inside the station. Coring of the gate house wall has been completed and underground HDPE duct installation is now complete. Work on the above ground portion of the odorous air duct will commence upon the delivery arrival of the FRP duct work, scheduled in staged deliveries beginning in mid-February through late March 2020.
- Additional electrical installation activities are ongoing inside the station to provide power and controls wiring to various components of the new bio-trickling filter and HVAC systems. Conduit and wiring installation activities are focused on the bio-trickling filter components, however minimal HVAC conduit and wiring is also underway.
- Demolition crews have removed the existing dry well Supply Fans and support frames (# 1 and # 2) in preparation for dismantling and scrap recycling. A temporary fan arrangement is now installed to provide ventilation for crews working on other tasks within the Wet Well confined space. Scaffolding has been erected inside the wet well and demolition of the existing duct work on the west side has been completed. Installation of the wet well makeup air unit #1 has been completed and installation of fabric duct material is ongoing. Once complete, the scaffolding will be disassembled and relocated to the east side of the wet well and activities will begin to demolish and replace supply air duct work and associated equipment. Specialized Confined Space

## March 18, 2020 OMIDDD Board Meeting

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emergency rescue crews provided by the General Contractor continue to support the wet well work when elevated scaffolding operations are in progress.



*Installation of the wet well makeup air unit #1 and associated duct work in the wet well; along the biotrickling filter vessel.*



*HDPE duct work installation ongoing; HDPE duct penetration into the gate house and backfill operations.*



## March 18, 2020 OMIDDD Board Meeting

- Demolition has been completed of new openings in Fan Room Nos. 1 and 2 for future installation of motorized dampers in conjunction with new drywell supply fans. New motorized dampers have been installed in the wall between each fan room and the main pump room. CSM has completed installation of round spiral industrial aluminum duct work in the southwest corner of the station and installed a new dry well supply fan #1. Plenum construction in fan room #1 is ongoing, and once complete, the new dry well supply fan #1 will be made operable; equipment demolition will commence in fan room #2 in preparation for new rectangular industrial aluminum duct work and dry well supply fan #2. CSM has begun removing and replacing rectangular aluminum duct work beginning on the lowest level and working in stages towards fan room #2.
- A field order to add a water service control valve and gate well outside the station has been sent to CSM and installation was completed in late January 2020. A temporary bypass water line to feed make-up water to the station pumps is now complete, and the permanent water service, including a new gate valve and well, is complete. Crews have completed demolition of the existing 6-inch domestic water piping and installation of new ductile iron water pipe is ongoing. Crews have relocated two fire hydrants adjacent to the pumping station in preparation for driveway realignment. Work is also underway on preliminary rough grading for the site roadway pavement; actual final base and concrete paving work will be suspended until Spring.
- CSM indicated in the February schedule update the bio-trickling filter substantial completion date will be delayed by approximately 6 weeks beyond the contractual date of February 6, 2020. Discussions continue with CSM to review options for a recovery plan and provide a formal response to the contractor's time extension request, noting that the Bio Filter Substantial Completion date is now projected by the Contractor for mid-April 2020.
- CSM is preparing an updated comprehensive project Health and Safety Plan and will submit, with revisions, to OMIDDD and Jacobs.
- DTE-Mich Con is has completed installation of a new gas service, meter upgrade and manifold at the NESPS, which allows for increased output for the Heating Unit Nos. 1 and 2 and additional future capacity as required for additional heating equipment.

### Summary of OMID Construction Contract Status:

Seg. No	Contract No. (Description)	Const. Comp?	As-Built Final?	Balancing Change Order?	Contractor Closed Out?	Easements Settled?
1	Contract 1 (CS-9, 5, 3)	Y	Y	Y	Y	Y
1	Contract 2 (CS-6, 7, 8)	Y	Y	Y	Y	Y
2	Contract 3 (Gatehouse)	Y	Y	Y*	N*	N/A
2	Contract 3 (Grouting PCI-5 thru 8)	Y	Y	Y	N*	Y
3	Contract 4 (Lining PCI-5 thru 8)	Y	Y	Y	Y	Y
4	Contract 5 (Lining PCI-9, 10A/B)	Y	Y	Y	Y	N
4	Contract 6 (Lining PCI-11A)	Y	Y	Y	Y	Y
N/A	Contract 7 (Lining 110' of NIEA)	Y	Y	Y	Y	N/A
N/A	Odor/Corrosion Control System	N	N	N	N	N/A

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

## March 18, 2020 OMIDDD Board Meeting

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### Transfer of NESPS & NIEA Maintenance & Repairs Status:

**Amt Invoiced:** \$133,838 thru 2/29/2020 out of current \$353,000 ASI engineering budget;

**Schedule Status:** Transfer Complete; follow-on tasks ongoing

- GLWA/OMIDDD technical issues are mostly resolved and/or plan is in place.
- Sanitary Pumps #2, #4, #5 and #6 ready for duty. (500 CFS Capacity)
- Sanitary Pump #1 remains out of service. GLWA and its subs have mechanically and electrically disconnected the motor in preparation to have it removed from the station for inspection/repair. Awaiting removal schedule from GLWA.
- DTE replaced and installed a new "Smart Meter" in switchgear cubical.
- Preventative Maintenance: Sanitary Pumps 5 and 6 Motor Maintenance performed.
- Switchgear Battery system maintenance and tested and completed.
- Switchgear Battery Charger Replacement: Rotor completed the new installation of one of two battery chargers.
- Crane repair: Kone Crane investigated and resolved an issue with crane operability.
- Detroit Elevator investigated and repaired a failed door switch which prevented operations for a few days. Monthly (February) maintenance completed.
- Detroit Elevator re-modification schedule on track for mid-June. METCO completed review on submittal drawings (elevator signal fixtures).
- PM Technologies has staged equipment on site necessary to perform a scheduled Load Test on the Stand-by Generator system as part of preventative maintenance and completion of the overall condition assessment. Results of the test to be included in upcoming report.
- Final quote from PM Technologies expected on Stand-by Generator PLC.
- Re-lamping of blown blubs (LED) on lower dry well level planned.
- General Housekeeping tasks in order.
- Wet-well Sediment Inspections - AEW on stand-by for the next (March) opportunity to inspect. Inspections are contingent of several factors such as on-going MID operations and weather. So far two out of six required inspections have been completed. A slight increase in sediment levels on the Corridor side along with a small decrease in sediment levels on the Lakeshore side have been reported from the last Jan 3<sup>rd</sup> inspection.
- Wet-well Level Sensor Improvements - Plans to install new equipment to monitor wet-well level conditions on both Suction and Wet-well were discussed at OMID Gate Operations (BPM) best practice meeting 3-05-2020. Options such as stilling wells and transducers were discussed as viable solutions. Final plans are in the works.



## March 18, 2020 OMIDDD Board Meeting

### OMID Control Structure Upgrades Status:

**Amt Invoiced:** \$30,400 to date; Total design and construction budget currently established as \$500,000 (including contingencies and admin/legal).

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

- MCE has drafted Programmable Logic Controller (PLC) changes for gate operation; ASI testing to be completed once access and position indicators are repaired.
- MCE provided report for Communication Upgrades at CS-5, 6, and 8; to be incorporated into the upgrades work.
- Level sensor upgrades (design/installation) are to be completed once access is completed.
- FKE has completed design set for Control Structure modifications at CS-5, CS-6, and CS-7.
- CSM continues procurement of long lead time items (East Jordan Access Hatches and Precast Concrete Risers).
- With respect to CS-5, the gate is currently out of service. Both transducers (position transmitters) on Gates #1 and #2 have failed. No visibility on SCADA of gate positions. Top slab mods required to replace with new. Additionally, HESCO found Gate #2 to be leaking hydraulic oil during their last inspection and is working on a plan to repair.
- With respect to CS-6, it is functional but in various stages of deterioration per HESCO condition assessment. Most components are at end of life status. Critical spare parts and long lead items are a subject of attention. HESCO has developed an inventory list.
- With respect to CS-7, communication issues have become problematic over the last several storage events impacting support for the MID grouting operations. MCE was requested to investigate and resolve. Multiple PLC failures were reported to be the cause. Limits and Scan Time changes in the PLC program were adjusted on 3-9-20. Details of the changes are on file. So far, no failures have been reported.
- Hesco reports that CS-8 is functional but in various stages of deterioration per HESCO condition assessment. Most components are at end of life status. Critical spare parts and long lead items are a subject of attention. HESCO has developed an inventory list.

- The **draft** line item schedule and budget are summarized:

Work Item/ Milestone		Estimated Budget Expenditure (Engineering)	Estimated Budget Expenditure (Contractors)	Estimated Delivery Date
1	Draft PLC Mods by Metco, MCE, ASI			5/8/2019
2	Field Investigations (roof measurements, etc.)		TBD	5/30/2019
3	CS level sensors design (Metco)		TBD	7/29/2019
4	Comm. System Improvements (Metco)		TBD	8/31/2019
3	Test and implement			4/1/2020
4	50% Design Package			6/20/2019

## March 18, 2020 OMIDDD Board Meeting

5	95%, 100% Design Package			9/9/2019
6	Receive Bid(s) for cover mods			11/10/2019
7	Contract Award and NTP for cover mods			12/10/2019
8	Subtotal – Design	\$9,000 (ASI)		
9	PCI-5 Gate Repairs and final install of level sensors	TBD	TBD	3/31/2020
10	Substantial Completion of Construction			5/1/2020
11	Final Testing and Approval of PLC Mods	TBD	TBD	5/1/2020
12	Final Completion of Construction	\$11,000 (ASI)	\$300,000 (est.)	5/15/2020

### OMID System Immediate Repairs Status:

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

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

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

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

## March 18, 2020 OMIDDD Board Meeting

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### NIEA Repairs (Study and Design/Construction)

**Amt Invoiced:** \$877,004 out of currently projected study/design budget of \$2,331,800; Total design and construction budget currently is \$44,100,000 (including contingencies and admin/legal).

**Schedule Status:** Field investigations/Engineering/Design efforts are underway; Study 100 percent complete; design approximately 65 percent complete.

- Liner data collection and presentation tasks have been completed. A few linings are short-listed for further consideration in the RFTS as well as basis of design for repair of the deteriorated sections of the NI-EA. RFTS report under final review. The final RFTS report will be issued in March 2020.
- A workshop was held with GLWA representatives to discuss the Basis of Design in March 2020. More coordination meetings and discussions are coming in the near future. GLWA is supportive of the general approach for the project, and of some amount of cost sharing.
- The aerial survey of the interceptor alignment is complete. The survey crews have recorded the manhole elevations as well as control points necessary to compliment the aerial survey. Additional surveys were performed at proposed shaft locations.
- Design is progressing towards next submittal – 90% design.
- Environmental corridor report completed. Phase 2 studies are ongoing.
- MASW report complete.
- Geotechnical exploration has been completed. Geotechnical Investigation Report is in progress. Recommendations have been issued draft based on findings of MASW confirmation borings.
- Conducted a workshop to discuss potential shaft location in PCI-4 reach.
- A preliminary hydraulic model has been run to evaluate flow control in PCI-4 and PCI-19 during rehabilitation efforts. A draft memorandum was issued to the OMIDDD for review.
- Permit coordination with municipal agencies are ongoing – City of Detroit, Wayne County, GLWA, and MDOT.



**Soil Boring  
Performed on E.  
State Fair Ave.**



## March 18, 2020 OMIDDD Board Meeting

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The **draft** line item schedule and budget are summarized:

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

# March 18, 2020 OMIDDD Board Meeting

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## NESPS Electrical and Mechanical Rehab

<b>Budget Status:</b>	\$732,979 out of current design budget of \$1,341,245; Total design and construction budget currently established as \$39,300,000 (including contingencies and admin/legal).
<b>Schedule Status:</b>	Engineering/Design efforts underway; approximately 60% complete; Pre-procurement packages being developed.

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



*NESPS Pump No. 5*

- Pump and Motor size confirmation complete and review of approved manufacturer pump selections continues. Additional data is requested from pump vendors on motor type and sizing. Schedule and specification details have been vetted with manufacturers.
- Design and CMAR Team continue to review equipment with suppliers.
- Design and CMAR Team met with gate and actuator supplier to advance the first package of work.
- Electrical gear design and sizing for new electrical building is ongoing.
- Architectural detailing of building is ongoing.
- HVAC and plumbing designs are ongoing.
- Site layout and improvements design, including updated security requirements, ongoing.
- Site plan was developed for site plan review and permitting.
- A review of alternative energy saving methods remains ongoing.
- Specifications for 60% design are in progress.
- The Design team and Walsh are working together to develop a sequence of construction, schedule, and design package arrangement. The schedule will be driven from this sequence being developed.
- Conducted a coordination meeting with GLWA to discuss advance of the design and construction program.

## March 18, 2020 OMIDDD Board Meeting

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- Conducted a coordination meeting with EGLE to discuss and agree on an approach for permitting through CMAR process.
- Conducted further site visits to inspect the existing conditions of the equipment to assess replacement needs.
- Conducted the design for the replacement of the existing NESPS building roof as part of the overall rehabilitation package.
- Met with DTE to coordinate new power source tie-in and requirements for first contact equipment.
- Met with City of Detroit Permitting to review requirements for Site Plan approval.

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

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

The **draft** line item schedule and budget are summarized:

Work Item/ Milestone	Estimated Budget	Estimated Budget	Estimated Delivery Date
1 Draft Basis of Design			5/3/2019
2 Final Basis of Design			5/31/2019
3 30% Design			8/27/2019
CMAR RFP			10/16/2019
4 60% Design			12/19/2019
CMAR Recommendation			11/20/2019
5a 90% Equipment Procurement			3/15/2020
Suction Gate Rehab			TBD
Site Plan/Foundation			TBD
Pumping Units			4/1/20
Major Electrical			4/1/20
7 MDEQ Submittal (Part 41 Permit)			4/8/2020
8 Issued for Bid – Final			6/15/2020
9 Notice to Proceed			6/15/2020
Subtotal - Design	\$1,519,275 (including		
10 Substantial Completion	\$2,500,000 (est.)	\$25,000,000 (est.)	3/1/2022
11 Final Completion	\$500,000 (est.)	\$5,000,000 (est.)	12/1/2022

**Agenda Item No. 11**

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

**YTD Trial Balance****Fund: 84912 Oakland Macomb InterceptorSeg1****As of Fiscal Period: Month 5, 2020**

Run By: WRC\_REPORTING

Run: 03/09/2020 at 09:32 AM

Scope: 84912 Oakland Macomb InterceptorSeg1

ACCOUNT		YTD Balance Total Fund	OMID Odor- Corrosion Study Seg1 100000002892	YTD Balance All Grants
100100	Cash - Operating	105,596.80	105,596.80	105,596.80
104100	Accrued Interest on Investment	653.22	653.22	653.22
201210	Vouchers Payable AP Cont	(28,718.00)	0.00	(28,718.00)
	Revenues	(1,203.44)	(1,203.44)	(1,203.44)
	Expenditures	29,707.10	29,707.10	29,707.10
	Special Items- Uses	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(106,035.68)	(106,035.68)	(106,035.68)
		(28,718.00)	0.00	(28,718.00)

SRF final draw received September 2013

Cash as of 02/29/2020	\$	105,596.80
Invoices / Reimbursements on Current Agenda Impacting Cash Balance		(11,928.66)
Total Net Cash Balance	\$	<u>93,668.14</u>

**Water Resources Commissioner**  
**PROJECT WORK IN PROGRESS**  
**OMID Odor-Corrosion Study Seg1**  
**100000002892**  
 (as of February 29, 2020)

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

730639 - Engineering Services-Other	0.00	313,489.08	
<b>Standard Operation TOTALS</b>			
383,789.00	0.00	313,489.08	\$70,299.92

Project 100000002892 - OMID Odor-Corrosion Study Seg1			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$383,789.00	\$0.00	\$313,489.08	\$70,299.92
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
655077-Accrued Interest Adjustments	\$37.32	\$653.22	
655385-Income from Investments	\$132.69	\$6,578.88	
695500-Transfers In	\$0.00	\$266,792.12	
697551-Issuance of Bonds	\$0.00	\$116,996.88	
<b>TOTAL REVENUE</b>	<b>\$170.01</b>	<b>\$391,021.10</b>	
<b>REVENUE OVER/(UNDER) EXPENSES</b>		<b>\$77,532.02</b>	

## YTD Trial Balance

Fund: 84914 Oakland Macomb InterceptorSeg3

As of Fiscal Period: Month 5, 2020

Run By: WRC\_REPORTING

Run: 03/09/2020 at 09:32 AM

Scope: 84914 Oakland Macomb InterceptorSeg3

ACCOUNT		YTD Balance Total Fund	Oakland Macomb InterceptorSeg3 100000001557	YTD Balance
100100	Cash - Operating	24,819.08	24,819.08	24,819.08
104100	Accrued Interest on Investment	(343.75)	(343.75)	(343.75)
143100	Prepaid Expenses	891.00	891.00	891.00
211100	Due to Primary Government	(25.79)	(25.79)	(25.79)
	Revenues	(242.84)	(242.84)	(242.84)
	Expenditures	1,050.96	1,050.96	1,050.96
	Special Items- Uses	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(26,148.66)	(26,148.66)	(26,148.66)
		0.00	0.00	0.00

Cash as of 03/09/2020 \$ 24,819.08

Invoices / Reimbursments on Current Cash Balance 0.00

Total Net Cash Balance \$ 24,819.08

# Water Resources Commissioner

## PROJECT WORK IN PROGRESS

### Oakland Macomb InterceptorSeg3

#### 10000001557

(as of February 29, 2020)

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

730772 - Freight and Express	0.00	237.38	
730926 - Indirect Costs	0.00	87,973.15	
730940 - Insurance	0.00	374,816.24	
731521 - Public Services	0.00	72,238.27	
732018 - Travel and Conference	0.00	160.44	
771638 - Drain Equip Labor	0.00	216,953.03	
771639 - Drain Equipment	0.00	19,268.57	

#### Administration TOTALS

460,138.00	0.00	771,647.08	(\$311,509.08)
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#### CONT - Contingency

#### Contingency TOTALS

4,581,277.00	0.00	0.00	\$4,581,277.00
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#### ENG - Engineering

702000 - Salaries	0.00	37.74	
722000 - Fringe Benefits	0.00	-25.90	
730772 - Freight and Express	0.00	85.13	
731346 - Personal Mileage	0.00	528.54	
731521 - Public Services	0.00	41,759.18	
732018 - Travel and Conference	0.00	5,546.06	
750140 - Employee Footwear	0.00	75.00	
771638 - Drain Equip Labor	0.00	617,074.94	
771639 - Drain Equipment	0.00	62,227.49	

#### Engineering TOTALS

1,063,145.00	0.00	727,308.18	\$335,836.82
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#### ENGCON - Engineering Consultant

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

#### Engineering Consultant TOTALS

12,471,892.00	0.00	12,921,225.96	(\$449,333.96)
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#### FAC - Facility Acquisition

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

#### Facility Acquisition TOTALS

45,738,545.00	0.00	50,236,976.02	(\$4,498,431.02)
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#### FRINGE BENEFITS - Fringe Benefits

722000 - Fringe Benefits	0.00	25.90	
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#### Fringe Benefits TOTALS

0.00	0.00	25.90	(\$25.90)
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#### INS - Inspection

731521 - Public Services	0.00	37,329.11	
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#### Inspection TOTALS

330,221.00	0.00	37,329.11	\$292,891.89
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#### LEGAL - Legal and Financial



**Water Resources Commissioner**  
**PROJECT WORK IN PROGRESS**  
**Oakland Macomb InterceptorSeg3**  
**100000001557**  
 (as of February 29, 2020)

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

**ROW - Right of Way**

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

Project 100000001557 - Oakland Macomb InterceptorSeg3			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$68,393,724.00	\$0.00	\$68,539,108.42	(\$145,384.42)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$3,253,724.00	
631827-Reimb General	\$0.00	\$43,882.94	
655077-Accrued Interest Adjustments	\$9.50	(\$343.75)	
655385-Income from Investments	\$33.77	\$127,185.77	
697753-State Revolving Fund Loans	\$0.00	\$65,140,000.00	
<b>TOTAL REVENUE</b>	<b>\$43.27</b>	<b>\$68,564,448.96</b>	
<b>REVENUE OVER/(UNDER) EXPENSES</b>		\$25,340.54	

YTD Trial Balance  
Fund: 84915 Oakland Macomb InterceptorSeg4  
As of Fiscal Period: Month 5, 2020

Run By: WRC\_REPORTING  
Run: 03/09/2020 at 09:33 AM  
Scope: 84915 Oakland Macomb InterceptorSeg4

ACCOUNT		YTD Balance Total Fund	Oakland Macomb InterceptorSeg4 100000001913	NESPS Pump Install Seg4 100000002041	OMI NESPS GATEHOUSE SEG4 100000002232	NESPS Odor Corrosion Study Seg4 100000002708	YTD Balance
100100	Cash - Operating	3,840,844.43	3,622,222.21	7,978.67	38,060.95	174,619.26	3,841,862.76
104100	Accrued Interest on Investment	46,813.79	46,813.79	0.00	0.00	0.00	46,813.79
211100	Due to Primary Government	(18,184.39)	(12,400.01)	0.00	0.00	(5,784.38)	(18,184.39)
	Revenues	(51,993.01)	1,135,506.99	0.00	0.00	(1,187,500.00)	(51,993.01)
697551	Issuance of Bonds	0.00	1,312,500.00	0.00	0.00	(1,312,500.00)	0.00
	Expenditures	1,606,884.07	19,704.34	0.00	42,951.89	1,542,191.18	1,605,865.74
	Special Items- Uses	0.00	0.00	0.00	0.00	0.00	0.00
382100	FB Committed for Capital Proj	(5,424,364.89)	(6,124,347.32)	(7,978.67)	(81,012.84)	788,973.94	(5,424,364.89)
		0.00	(1,018.33)	0.00	0.00	0.00	(1,018.33)

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

Cash as of 02/29/2020	\$	3,841,862.76
Invoices/Reimbursements for Seg 4 on Current Agenda impacting Cash Balance		0.00
Invoices/Reimbursements for NESPS Gatehouse on Current Agenda impacting Cash Balance		(1,000.81)
Invoices/Reimbursements for NESPS NIEA-East Arm on Current Agenda impacting Cash Balance		(630.40)
Invoices/Reimbursements for NESPS Odor Corrosion Study on Current Agenda impacting Cash Balance		(797,037.94)
Total Net Cash Balance	\$	<u>3,043,193.61</u>

# Water Resources Commissioner

## PROJECT WORK IN PROGRESS

### Oakland Macomb InterceptorSeg4

#### 100000001913

(as of February 29, 2020)

	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
<b>ADM - Administration</b>				
730926 - Indirect Costs		0.00	59,001.44	
730940 - Insurance		0.00	67,871.13	
731115 - Licenses and Permits		0.00	320,000.00	
731521 - Public Services		0.00	14,235.58	
732165 - Workshops and Meeting		0.00	29.66	
771638 - Drain Equip Labor		0.00	4,607.71	
771639 - Drain Equipment		0.00	269.47	
<b>Administration TOTALS</b>				
	390,165.00	0.00	466,014.99	(\$75,849.99)
<b>ENG - Engineering</b>				
731346 - Personal Mileage		0.00	7,611.14	
731521 - Public Services		0.00	40,605.00	
771638 - Drain Equip Labor		6,006.01	721,633.28	
771639 - Drain Equipment		617.36	79,931.60	
<b>Engineering TOTALS</b>				
	484,153.00	6,623.37	849,781.02	(\$365,628.02)
<b>ENGCON - Engineering Consultant</b>				
730639 - Engineering Services-Other		0.00	3,594,242.60	
731073 - Legal Services		0.00	108.00	
<b>Engineering Consultant TOTALS</b>				
	3,275,248.00	0.00	3,594,350.60	(\$319,102.60)
<b>FAC - Facility Acquisition</b>				
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	
<b>Facility Acquisition TOTALS</b>				
	15,225,614.00	0.00	14,065,340.52	\$1,160,273.48
<b>INS - Inspection</b>				
730373 - Contracted Services		0.00	473.03	
731521 - Public Services		0.00	16,935.91	
<b>Inspection TOTALS</b>				
	17,408.00	0.00	17,408.94	(\$0.94)
<b>LEGAL - Legal and Financial</b>				
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	
<b>Legal and Financial TOTALS</b>				
	191,321.00	0.00	194,642.75	(\$3,321.75)
<b>ROW - Right of Way</b>				
731563 - Recording Fees		0.00	50.67	
<b>Right of Way TOTALS</b>				
	0.00	0.00	50.67	(\$50.67)

**Water Resources Commissioner**  
**PROJECT WORK IN PROGRESS**  
**Oakland Macomb InterceptorSeg4**  
**100000001913**  
 (as of February 29, 2020)

Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
<b>Project 100000001913 - Oakland Macomb InterceptorSeg4</b>			
<b>Total Project Expenses</b>			
<b>Budget Amount</b>	<b>Month-to-Date Expenses</b>	<b>Life-to-Date Expenses</b>	<b>LTD Variance</b>
\$19,583,909.00	\$6,623.37	\$19,187,589.49	\$396,319.51
<b>Total Project Revenue</b>			
<b>Account</b>	<b>Month-to-Date Revenue</b>	<b>Life-to-Date Revenue</b>	
605572-Special Assessments	(\$237,500.00)	\$10,013,229.40	
615572-State Capital Grants	\$0.00	\$1,105,350.77	
655077-Accrued Interest Adjustments	\$1,726.89	\$46,813.79	
655385-Income from Investments	\$6,140.21	\$622,066.59	
697551-Issuance of Bonds	(\$262,500.00)	\$2,565,746.60	
697753-State Revolving Fund Loans	\$0.00	\$8,490,000.00	
<b>TOTAL REVENUE</b>	<b>(\$492,132.90)</b>	<b>\$22,843,207.15</b>	
<b>REVENUE OVER/(UNDER) EXPENSES</b>		<b>\$3,655,617.66</b>	

**Water Resources Commissioner**  
**PROJECT WORK IN PROGRESS**  
**NESPS Pump Install Seg4**  
**100000002041**  
 (as of February 29, 2020)

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

730926 - Indirect Costs	0.00	535.47	
<b>Administration TOTALS</b>			
5,000.00	0.00	535.47	\$4,464.53

**ENG - Engineering**

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

**ENGCON - Engineering Consultant**

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

**FAC - Facility Acquisition**

<b>Facility Acquisition TOTALS</b>			
3,268,155.00	0.00	0.00	\$3,268,155.00

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

# Water Resources Commissioner

## PROJECT WORK IN PROGRESS

### OMI NESPS GATEHOUSE SEG4

#### 100000002232

(as of February 29, 2020)

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

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

**Administration TOTALS**

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

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

771638 - Drain Equip Labor	685.62	8,669.89	
771639 - Drain Equipment	21.06	414.66	

**Engineering TOTALS**

59,699.00	706.68	9,084.55	\$50,614.45
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**ENGCON - Engineering Consultant**

730639 - Engineering Services-Other	2,845.65	1,243,132.97	
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**Engineering Consultant TOTALS**

496,981.00	2,845.65	1,243,132.97	(\$746,151.97)
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**FAC - Facility Acquisition**

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

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

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

**Inspection TOTALS**

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

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

6,000.00	0.00	1,213.00	\$4,787.00
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Project 100000002232 - OMI NESPS GATEHOUSE SEG4			
Total Project Expenses			
Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
\$4,418,998.00	\$3,552.33	\$4,711,939.05	(\$292,941.05)
Total Project Revenue			
Account	Month-to-Date Revenue	Life-to-Date Revenue	
605572-Special Assessments	\$0.00	\$2,434,988.28	
697551-Issuance of Bonds	\$0.00	\$2,315,011.72	
TOTAL REVENUE	\$0.00	\$4,750,000.00	
REVENUE OVER/(UNDER) EXPENSES		\$38,060.95	

# Water Resources Commissioner

## PROJECT WORK IN PROGRESS

### NESPS Odor Corrosion Stdy Seg4

#### 100000002708

(as of February 29, 2020)

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

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

#### CONT - Contingency

<b>Contingency TOTALS</b>			
637,000.00	0.00	0.00	\$637,000.00

#### ENG - Engineering

771638 - Drain Equip Labor	7,063.99	83,259.56	
771639 - Drain Equipment	206.19	3,132.55	
<b>Engineering TOTALS</b>			
206,253.00	7,270.18	86,392.11	\$119,860.89

#### ENGCON - Engineering Consultant

730373 - Contracted Services	143,526.04	341,677.46	
730639 - Engineering Services-Other	0.00	59,195.44	
<b>Engineering Consultant TOTALS</b>			
1,073,000.00	143,526.04	400,872.90	\$672,127.10

#### FAC - Facility Acquisition

730352 - Construction	0.00	496,066.40	
731472 - Project Construction and Impr	295,399.57	1,174,921.56	
<b>Facility Acquisition TOTALS</b>			
4,600,000.00	295,399.57	1,670,987.96	\$2,929,012.04

#### INS - Inspection

771638 - Drain Equip Labor	13,972.21	85,739.31	
771639 - Drain Equipment	2,159.45	14,322.32	
<b>Inspection TOTALS</b>			
190,343.00	16,131.66	100,061.63	\$90,281.37

#### LEGAL - Legal and Financial

<b>Legal and Financial TOTALS</b>			
15,000.00	0.00	0.00	\$15,000.00

#### ROW - Right of Way

<b>Right of Way TOTALS</b>			
46,000.00	0.00	0.00	\$46,000.00

#### STD - Standard Operation

730352 - Construction	0.00	198,018.10	
730373 - Contracted Services	0.00	600,395.51	
730926 - Indirect Costs	0.00	1,864.90	
730940 - Insurance	0.00	139,930.93	
731073 - Legal Services	0.00	1,744.00	
731472 - Project Construction and Impr	0.00	51,390.00	
731906 - Testing Services	2,135.31	22,946.54	
771638 - Drain Equip Labor	0.00	1,419.02	
771639 - Drain Equipment	0.00	357.14	
<b>Standard Operation TOTALS</b>			
38,010.00	2,135.31	1,018,066.14	(\$980,056.14)

## Water Resources Commissioner

### PROJECT WORK IN PROGRESS

#### NESPS Odor Corrosion Stdy Seg4

**100000002708**

(as of February 29, 2020)

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

<b>Project 100000002708 - NESPS Odor Corrosion Stdy Seg4</b>				
<b>Total Project Expenses</b>				
	Budget Amount	Month-to-Date Expenses	Life-to-Date Expenses	LTD Variance
	\$7,004,000.00	\$464,462.76	\$3,282,165.12	\$3,721,834.88
<b>Total Project Revenue</b>				
Account	Month-to-Date Revenue	Life-to-Date Revenue		
605572-Special Assessments	\$237,500.00	\$1,591,758.32		
697551-Issuance of Bonds	\$262,500.00	\$1,859,241.68		
<b>TOTAL REVENUE</b>	<b>\$500,000.00</b>	<b>\$3,451,000.00</b>		
<b>REVENUE OVER/(UNDER) EXPENSES</b>		<b>\$168,834.88</b>		



Oakland County - Water Resources Commissioner's Office  
Fund Equity: Schedule of Reserves and Dedicated Funds  
As of Date: February 29, 2020

Fund	Description	Major Maintenance	Capital Improvement	Undesignated	Committed for Capital Projects	Total Equity
82912	OMIDD Maintenance Fund	3,031,376.89	4,835,232.54	15,533,340.10		23,399,949.53
84912	OMIDD Seg 1					
	- Project 1-2892 Odor Corrosion Study				77,532.02	77,532.02
84914	OMIDD Seg 3					
	- Project 1-1557 Interceptor Seg 3				25,340.54	25,340.54
84915	OMIDD Seg 4					
	- Project 1-1913 Interceptor Seg 4				3,655,617.66	3,655,617.66
	- Project 1-2041 NESPS Pump Install				7,978.67	7,978.67
	- Project 1-2098 EPA				-	-
	- Project 1-2232 NESPS Gatehouse				38,060.95	38,060.95
	- Project 1-2708 NESPS Odor Corrosion Study				168,834.88	168,834.88
Total Equity in Maintenance and Construction Funds						<u>27,373,314.25</u>

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

OAKLAND MACOMB INTERCEPTOR DRAINAGE BOARD - APPROVAL OF INVOICES/REIMBURSEMENTS

OMI DD Meeting Date 03/18/2020

		84912	84914	84915	84915	84915	84915	84915	82912	
		1-2892	1-1557	1-1913	1-2041	1-2232	1-2232	1-2232	1-2708	
Payable To	Invoice #	Segment 1 - OMID Odor Corrosion Study	Segment 3	Segment 4	Segment 4 - NESPS Pump Install	Segment 4 - NESPS Gate House	Segment 4 - NIEA East Arm	Segment 4 - NESPS Odor Corrosion Study	Oppérations & Maintenance	Total
Oakland County *	WRC Labor/Fringes/Non-direct Labor			4,385.63				18,896.25		\$23,281.88
Oakland County *	WRC Equipment			462.66				2,409.09		\$2,871.75
Oakland County *	WRC Mileage/Parking			983.25						\$983.25
Applied Scienceec Inc.	Invoice #13 (ASI Inv. #7539) Work Through 02/22/2020								126,679.81	\$126,679.81
CH2M - LG Design, Inc	Invoice # 705773CH014							38,531.46		\$38,531.46
CSM Mechanical LLC	Construction Estimate #7 Through 2/29/20							713,476.30		\$713,476.30
CSM Mechanical LLC	Construction Estimate #7 Through 2/29/20 - Retainage							38,579.19		\$38,579.19
Comerica (Pcard)	PANERA BREAD #600750 - February Meeting								289.76	\$289.76
CDM Smith	Invoice # 90094298 Service Through 2/29/20								2,883.26	\$2,883.26
Clark Hill PLC	Invoice # 958030 - Professional Services ending 1/31/20								1,215.00	\$1,215.00
Jacobs CH2M Hill Engineers Inc.	Invoice # 697317CH # 18 Through 2/21/20	11,928.66								\$11,928.66
Kennedy Industries	Invoice # 616153 - NESPS, Pump #2 Field Service On Site 1/18/20								2,311.38	\$2,311.38
Meadowbrook Insurance Agency	Invoice # 3997 - Insurance - Policy 016142840 OMIDD OCIP AIG Loss								28,718.00	\$28,718.00
METCO	Invoice # 1811-14 Through 2/29/20								30,498.90	\$30,498.90
NTH Consultants	Inv # 05 - OMIDD NESPS Corrosion Control System Services Through 02/21/20							6,450.99		\$6,450.99
NTH Consultants	Inv # 09 - OMIDD NI-EA Rehab Services Through 02/21/20								124,140.85	\$124,140.85
NTH Consultants	Inv # 13 - OMIDD System Immediate Repair Service Through 02/21/20								1,407.16	\$1,407.16
NTH Consultants	Inv # 18 - OMIDD NI-EA Lining Options Study Services Through 02/21/20						630.40			\$630.40
NTH Consultants	Inv # 50 - OMIDD NESPS Discharge Rehab Services Through 02/21/20					1,000.81				\$1,000.81
PMA Consultants	Invoice # 03559-87 Professional Services 2/1/20 - 2/29/20								6,148.78	\$6,148.78
Rotor Electric Co.	Invoice # 12289 Switchgear Maint. & Testing 1/10/20								2,411.59	\$2,411.59
Rotor Electric Co.	Invoice # 12296 Switchgear Maint. & Testing 2/11/20								4,902.00	\$4,902.00
Rotor Electric Co.	Invoice # 12297 Switchgear Maint. & Testing 2/14/20								534.15	\$534.15
WalshConstruction Company	Invoice # 220008 Through 2/23/20								254,518.00	\$254,518.00
Total Invoices/Reimbursements for Approval		\$11,928.66	\$0.00	\$5,831.54	\$0.00	\$1,000.81	\$630.40	\$818,343.28	\$586,658.64	\$1,424,393.33
	* Less WRC Charges already paid from OMI Fund	0.00	0.00	(5,831.54)		0.00	0.00	(21,305.34)	0.00	(27,136.88)
	** Less amount being paid from Retainage Account									0.00
Total Invoices/Reimbursements that will impact Cash Balance listed on Current Trial Balance submitted to OMI Drain Board		\$11,928.66	\$0.00	\$0.00	\$0.00	\$1,000.81	\$630.40	\$797,037.94	\$586,658.64	\$1,397,256.45

## **Agenda Item No. 12**

### **Invoices**

OMI Seg 4 Proj - WRC Employee Related Expense - Reconciliation between CIP & Query Reports

Internal Reconciliation for the 03/18/2020 OMI Meeting

		Amount from Previous OMI Meeting CIP Report (02/19/2020 mtg)	WRC Labor, Fringes, Non-Direct Labor Factor, and Equipment presented to 03/18/2020 Mtg	*Rounding adjustment due to CAMS Upgrade	WRC LTD as of the CIP Report for the 03/18/2020 Mtg
Activity	Account Name				
ADM	SALARIES	\$0.00			\$0.00
ADM	SALARIES - NPF	\$0.00			\$0.00
ADM	EQUIP RENTAL (drain equip from Prelim Proj)	\$0.00			\$0.00
ADM	DRAIN EQUIP LABOR	\$4,607.71			\$4,607.71
ADM	DRAIN EQUIP	\$269.47			\$269.47
ENG	SALARIES	\$0.00			\$0.00
ENG	SALARIES - NPF	\$0.00			\$0.00
ENG	EQUIP RENTAL (drain equip from Prelim Proj)	\$0.00			\$0.00
ENG	PERSONAL MILEAGE	\$8,491.43	\$ 983.25		\$9,474.68
ENG	DRAIN EQUIP LABOR	\$719,117.44	\$ 4,385.63		\$723,503.07
ENG	DRAIN EQUIP	\$89,037.09	\$ 462.66		\$89,499.75
INS	SALARIES	\$0.00			\$0.00
INS	SALARIES - NPF	\$0.00			\$0.00
INS	EQUIP RENTAL (drain equip from Prelim Proj)	\$0.00			\$0.00
INS	DRAIN EQUIP LABOR	\$0.00			\$0.00
INS	DRAIN EQUIP	\$0.00			\$0.00
ROW	SALARIES	\$0.00			\$0.00
ROW	SALARIES - NPF	\$0.00			\$0.00
ROW	EQUIP RENTAL (drain equip from Prelim Proj)	\$0.00			\$0.00
ROW	DRAIN EQUIP LABOR	\$0.00			\$0.00
ROW	DRAIN EQUIP	\$0.00			\$0.00
FRINGE_BENEFITS	total FBs	\$0.00			\$0.00
		\$813,883.68	\$ 5,831.54	\$0.00	\$827,354.68

Detailed Query info worksheets

WRC Labor/Fringes/Non-Direct Labor Factor	\$ 4,385.63
WRC Equipment	\$ 462.66
mileage/parking w/s	\$ 983.25
unassigned equip w/s	\$ -
	\$5,831.54
Difference between Project in Progress Report and Query Detail	\$0.00

OMI Segment 4 Project - WRC Equipment Charges for Trans Dates - 02/01/2020 - 02/29/2020									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Assign Equipmer	Cost Category	Project	Activity
834323	02/14/2020	02/04/2020	LOCKHART, SIDNEY	2.00	\$11.38	ASSIGNED	Blazer/Suburbans	1000000	ENG
834323	02/14/2020	02/04/2020	LOCKHART, SIDNEY	2.00	\$0.80	ASSIGNED	Cell Phone	1000000	ENG
834323	02/14/2020	02/04/2020	LOCKHART, SIDNEY	2.00	\$4.68	ASSIGNED	PC/Computer	1000000	ENG
834323	02/14/2020	02/04/2020	LOCKHART, SIDNEY	2.00	\$0.50	ASSIGNED	Tablet/iPad	1000000	ENG
			<b>LOCKHART, SIDNEY Total</b>		<b>\$17.36</b>				
834323	02/18/2020	11/22/2019	POUSHO, ROBERT	-8.00	\$-3.20	ASSIGNED-D	Cell Phone	1000000	ENG
834323	02/18/2020	11/22/2019	POUSHO, ROBERT	-8.00	\$-18.72	ASSIGNED-D	PC/Computer	1000000	ENG
834323	02/12/2020	02/03/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/12/2020	02/03/2020	POUSHO, ROBERT	8.00	\$4.80	ASSIGNED	Mobile Data Card	1000000	ENG
834323	02/12/2020	02/03/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/12/2020	02/04/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/12/2020	02/04/2020	POUSHO, ROBERT	8.00	\$4.80	ASSIGNED	Mobile Data Card	1000000	ENG
834323	02/12/2020	02/04/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/12/2020	02/05/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/12/2020	02/05/2020	POUSHO, ROBERT	8.00	\$4.80	ASSIGNED	Mobile Data Card	1000000	ENG
834323	02/12/2020	02/05/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/12/2020	02/06/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/12/2020	02/06/2020	POUSHO, ROBERT	8.00	\$4.80	ASSIGNED	Mobile Data Card	1000000	ENG
834323	02/12/2020	02/06/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/12/2020	02/07/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/12/2020	02/07/2020	POUSHO, ROBERT	8.00	\$4.80	ASSIGNED	Mobile Data Card	1000000	ENG
834323	02/12/2020	02/07/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/12/2020	02/10/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/12/2020	02/10/2020	POUSHO, ROBERT	8.00	\$4.80	ASSIGNED	Mobile Data Card	1000000	ENG
834323	02/12/2020	02/10/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/12/2020	02/11/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/12/2020	02/11/2020	POUSHO, ROBERT	8.00	\$4.80	ASSIGNED	Mobile Data Card	1000000	ENG
834323	02/12/2020	02/11/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/12/2020	02/12/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/12/2020	02/12/2020	POUSHO, ROBERT	8.00	\$4.80	ASSIGNED	Mobile Data Card	1000000	ENG
834323	02/12/2020	02/12/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/12/2020	02/13/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/12/2020	02/13/2020	POUSHO, ROBERT	8.00	\$4.80	ASSIGNED	Mobile Data Card	1000000	ENG
834323	02/12/2020	02/13/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/12/2020	02/14/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/12/2020	02/14/2020	POUSHO, ROBERT	8.00	\$4.80	ASSIGNED	Mobile Data Card	1000000	ENG
834323	02/12/2020	02/14/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/27/2020	02/17/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/27/2020	02/17/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/27/2020	02/18/2020	POUSHO, ROBERT	9.00	\$3.60	ASSIGNED	Cell Phone	1000000	ENG
834323	02/27/2020	02/18/2020	POUSHO, ROBERT	9.00	\$21.06	ASSIGNED	PC/Computer	1000000	ENG
834323	02/27/2020	02/19/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/27/2020	02/19/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/27/2020	02/20/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/27/2020	02/20/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/27/2020	02/21/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/27/2020	02/21/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/27/2020	02/24/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/27/2020	02/24/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/27/2020	02/25/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/27/2020	02/25/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/27/2020	02/26/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/27/2020	02/26/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
834323	02/27/2020	02/27/2020	POUSHO, ROBERT	8.00	\$3.20	ASSIGNED	Cell Phone	1000000	ENG
834323	02/27/2020	02/27/2020	POUSHO, ROBERT	8.00	\$18.72	ASSIGNED	PC/Computer	1000000	ENG
			<b>POUSHO, ROBERT Total</b>		<b>\$445.30</b>				
			<b>Grand Total</b>		<b>\$462.66</b>				

OMI Segment 4 Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 02/01/2020 - 02/29/2020									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Assign Equipment	Cost Category	Project	Activity
834323	02/14/2020	02/04/2020	LOCKHART, SIDNEY	2.00	\$245.88	REGULAR	WRCADM	100000001913	ENG
			<b>LOCKHART, SIDNEY Total</b>		<b>\$245.88</b>				
834323	02/18/2020	11/22/2019	POUSHO, ROBERT	-8.00	\$-228.40	REGULAR-D	WRCCON	100000001913	ENG
834323	02/12/2020	02/03/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/12/2020	02/04/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/12/2020	02/05/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/12/2020	02/06/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/12/2020	02/07/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/12/2020	02/10/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/12/2020	02/11/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/12/2020	02/12/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/12/2020	02/13/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/12/2020	02/14/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/27/2020	02/17/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/27/2020	02/18/2020	POUSHO, ROBERT	9.00	\$256.95	REGULAR	WRCCON	100000001913	ENG
834323	02/27/2020	02/19/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/27/2020	02/20/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/27/2020	02/21/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/27/2020	02/24/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/27/2020	02/25/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/27/2020	02/26/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
834323	02/27/2020	02/27/2020	POUSHO, ROBERT	8.00	\$228.40	REGULAR	WRCCON	100000001913	ENG
			<b>POUSHO, ROBERT Total</b>		<b>\$4,139.75</b>				
			<b>Grand Total</b>		<b>\$4,385.63</b>				

OMI Segment 4 Project - WRC Personal Mileage and Parking - Accounting Date Range 02/01/2020 - 02/29/2020

Acctg Date	Fund	Fund Description	Project	Project Description	Activity	Descr	Sum BU Amount
2/21/2020	84915	Oakland Macomb Interceptor Seg 4	100000001913	Oakland Macomb Interceptor Seg 4	ENG	Pousho 900 miles 02-21-2020	\$ 517.50
3/6/2020	84916	Oakland Macomb Interceptor Seg 5	100000001913	Oakland Macomb Interceptor Seg 4	ENG	Pousho 810 miles 03-06-2020	\$ 465.75
							<u>\$ 983.25</u>

Internal Reconciliation for the 02/29/2020 OMI Meeting

Activity	Account Name	Amount from Previous OMI Meeting CIP Report (02/19/2020 mtg)	WRC Labor, Fringes, Non-Direct Labor Factor, and Equipment presented to 03/18/2020 Mtg	WRC LTD as of the CIP Report for the03/18/2020 Mtg
ENG / STD / INS	DRAIN EQUIP LABOR	\$ 159,683.51	\$ 18,896.25	\$ 178,579.76
ENG / STD / INS	DRAIN EQUIP	\$ 16,389.95	\$ 2,409.09	\$ 18,799.04
		<u>\$ 153,472.49</u>	<u>\$ 21,305.34</u>	<u>\$ 174,777.83</u>

Detailed Query info worksheets

WRC Labor/Fringes/Non-Direct Labor Factor	\$ 18,896.25
WRC Equipment	\$ 2,314.09
mileage/parking w/s	\$ -
unassigned equip w/s	<u>\$ 95.00</u>
	<u>\$21,305.34</u>
Difference between Project in Progress Report and Query Detail	\$0.00



OMI Segment 4 NESPS Odor Corrosion Study Project - WRC Labor/Fringes/Non-Direct Labor Factor for Trans Dates - 02/01/2020 - 02/29/2020									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
866220	02/18/2020	02/17/2020	ROBERTS, PATRICK	11.00	\$705.87	HOLIDAY	WRCCDM	100000002708	INS
866220	02/02/2020	01/30/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	02/05/2020	02/03/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	02/05/2020	02/04/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	02/08/2020	02/05/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	02/08/2020	02/06/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	02/08/2020	02/07/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	02/11/2020	02/10/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	02/12/2020	02/11/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	02/12/2020	02/12/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	02/14/2020	02/13/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	02/14/2020	02/14/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	02/18/2020	02/18/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	02/20/2020	02/19/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	02/21/2020	02/20/2020	ROBERTS, PATRICK	3.00	\$192.51	OVERTIME	WRCCDM	100000002708	INS
866220	02/27/2020	02/21/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	02/24/2020	02/24/2020	ROBERTS, PATRICK	2.00	\$128.34	OVERTIME	WRCCDM	100000002708	INS
866220	02/26/2020	02/25/2020	ROBERTS, PATRICK	1.50	\$96.26	OVERTIME	WRCCDM	100000002708	INS
866220	02/28/2020	02/26/2020	ROBERTS, PATRICK	1.50	\$96.26	OVERTIME	WRCCDM	100000002708	INS
866220	02/28/2020	02/27/2020	ROBERTS, PATRICK	1.50	\$96.26	OVERTIME	WRCCDM	100000002708	INS
866220	02/28/2020	02/28/2020	ROBERTS, PATRICK	1.50	\$96.26	OVERTIME	WRCCDM	100000002708	INS
			<b>ROBERTS, PATRICK Total</b>		<b>\$3,914.39</b>				
895939	02/13/2020	02/03/2020	BANTIOS, EVAGELOS	2.00	\$177.94	REGULAR	WRCWMA	100000002708	ENG
895939	02/13/2020	02/04/2020	BANTIOS, EVAGELOS	5.50	\$489.34	REGULAR	WRCWMA	100000002708	ENG
895939	02/13/2020	02/05/2020	BANTIOS, EVAGELOS	3.00	\$266.91	REGULAR	WRCWMA	100000002708	ENG
895939	02/13/2020	02/06/2020	BANTIOS, EVAGELOS	3.50	\$311.40	REGULAR	WRCWMA	100000002708	ENG
895939	02/13/2020	02/07/2020	BANTIOS, EVAGELOS	2.00	\$177.94	REGULAR	WRCWMA	100000002708	ENG
895939	02/13/2020	02/10/2020	BANTIOS, EVAGELOS	4.75	\$422.61	REGULAR	WRCWMA	100000002708	ENG
895939	02/13/2020	02/11/2020	BANTIOS, EVAGELOS	7.00	\$622.79	REGULAR	WRCWMA	100000002708	ENG
895939	02/13/2020	02/12/2020	BANTIOS, EVAGELOS	1.00	\$88.97	REGULAR	WRCWMA	100000002708	ENG
895939	02/28/2020	02/18/2020	BANTIOS, EVAGELOS	7.50	\$667.28	REGULAR	WRCWMA	100000002708	ENG
895939	02/28/2020	02/25/2020	BANTIOS, EVAGELOS	1.00	\$88.97	REGULAR	WRCWMA	100000002708	ENG
895939	02/28/2020	02/28/2020	BANTIOS, EVAGELOS	2.00	\$177.94	REGULAR	WRCWMA	100000002708	ENG
			<b>BANTIOS, EVAGELOS Total</b>		<b>\$3,492.09</b>				
866220	02/05/2020	02/03/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/05/2020	02/04/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/06/2020	02/06/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/07/2020	02/07/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/11/2020	02/10/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/11/2020	02/11/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/12/2020	02/12/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/13/2020	02/13/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/14/2020	02/14/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/19/2020	02/18/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/19/2020	02/19/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/20/2020	02/20/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/24/2020	02/21/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/25/2020	02/24/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/26/2020	02/25/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/27/2020	02/26/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/28/2020	02/27/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
866220	02/28/2020	02/28/2020	CODE, JEFFREY	1.00	\$68.37	REGULAR	WRCCDM	100000002708	INS
			<b>CODE, JEFFREY Total</b>		<b>\$1,230.66</b>				
866220	02/25/2020	02/20/2020	LAWREY, DAVID	1.00	\$68.37	REGULAR	WRCROW	100000002708	INS
866220	02/25/2020	02/24/2020	LAWREY, DAVID	3.50	\$239.30	REGULAR	WRCROW	100000002708	INS
			<b>LAWREY, DAVID Total</b>		<b>\$307.67</b>				
866220	02/06/2020	02/06/2020	OSZUST, CHRISTOPHER J	8.00	\$276.64	REGULAR	WRCCDM	100000002708	INS
			<b>OSZUST, CHRISTOPHER J Total</b>		<b>\$276.64</b>				
866220	02/02/2020	01/30/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/05/2020	02/03/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/05/2020	02/04/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/08/2020	02/05/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/08/2020	02/06/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/08/2020	02/07/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/11/2020	02/10/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/12/2020	02/11/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/12/2020	02/12/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/14/2020	02/13/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/14/2020	02/14/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/18/2020	02/18/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/20/2020	02/19/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/21/2020	02/20/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS

866220	02/22/2020	02/21/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/24/2020	02/24/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/26/2020	02/25/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/28/2020	02/26/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/28/2020	02/27/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
866220	02/28/2020	02/28/2020	ROBERTS, PATRICK	8.00	\$452.64	REGULAR	WRCCDM	100000002708	INS
			<b>ROBERTS, PATRICK Total</b>		<b>\$9,052.80</b>				
866220	02/10/2020	02/10/2020	ROBINSON, RYAN	6.00	\$373.20	REGULAR	WRCCDM	100000002708	INS
866220	02/20/2020	02/20/2020	ROBINSON, RYAN	4.00	\$248.80	REGULAR	WRCCDM	100000002708	INS
			<b>ROBINSON, RYAN Total</b>		<b>\$622.00</b>				
			<b>Grand Total</b>		<b>\$18,896.25</b>				

OMI Segment 4 NESPS Odor Corrosion Study Project - WRC Equipment Charges for Trans Dates -02/01/2020 - 02/29/2020									
WOID	Date Entered	Date Worked	Name/Description	Hours/Units	Cost	Cost Category	Assign Equipment	Project	Activity
895939	02/13/2020	02/03/2020	BANTIOS, EVAGELOS	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
895939	02/13/2020	02/03/2020	BANTIOS, EVAGELOS	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
895939	02/13/2020	02/04/2020	BANTIOS, EVAGELOS	5.50	\$2.20	ASSIGNED	Cell Phone	100000002708	ENG
895939	02/13/2020	02/04/2020	BANTIOS, EVAGELOS	5.50	\$12.87	ASSIGNED	PC/Computer	100000002708	ENG
895939	02/13/2020	02/05/2020	BANTIOS, EVAGELOS	3.00	\$1.20	ASSIGNED	Cell Phone	100000002708	ENG
895939	02/13/2020	02/05/2020	BANTIOS, EVAGELOS	3.00	\$7.02	ASSIGNED	PC/Computer	100000002708	ENG
895939	02/13/2020	02/06/2020	BANTIOS, EVAGELOS	3.50	\$1.40	ASSIGNED	Cell Phone	100000002708	ENG
895939	02/13/2020	02/06/2020	BANTIOS, EVAGELOS	3.50	\$8.19	ASSIGNED	PC/Computer	100000002708	ENG
895939	02/13/2020	02/07/2020	BANTIOS, EVAGELOS	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
895939	02/13/2020	02/07/2020	BANTIOS, EVAGELOS	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
895939	02/13/2020	02/10/2020	BANTIOS, EVAGELOS	4.75	\$1.90	ASSIGNED	Cell Phone	100000002708	ENG
895939	02/13/2020	02/10/2020	BANTIOS, EVAGELOS	4.75	\$11.12	ASSIGNED	PC/Computer	100000002708	ENG
895939	02/13/2020	02/11/2020	BANTIOS, EVAGELOS	7.00	\$2.80	ASSIGNED	Cell Phone	100000002708	ENG
895939	02/13/2020	02/11/2020	BANTIOS, EVAGELOS	7.00	\$16.38	ASSIGNED	PC/Computer	100000002708	ENG
895939	02/13/2020	02/12/2020	BANTIOS, EVAGELOS	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
895939	02/13/2020	02/12/2020	BANTIOS, EVAGELOS	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
895939	02/28/2020	02/18/2020	BANTIOS, EVAGELOS	7.50	\$3.00	ASSIGNED	Cell Phone	100000002708	ENG
895939	02/28/2020	02/18/2020	BANTIOS, EVAGELOS	7.50	\$17.55	ASSIGNED	PC/Computer	100000002708	ENG
895939	02/28/2020	02/25/2020	BANTIOS, EVAGELOS	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	ENG
895939	02/28/2020	02/25/2020	BANTIOS, EVAGELOS	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	ENG
895939	02/28/2020	02/28/2020	BANTIOS, EVAGELOS	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	ENG
895939	02/28/2020	02/28/2020	BANTIOS, EVAGELOS	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	ENG
			<b>BANTIOS, EVAGELOS Total</b>		<b>\$107.55</b>				
866220	02/05/2020	02/03/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/05/2020	02/03/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/05/2020	02/03/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/05/2020	02/04/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/05/2020	02/04/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/05/2020	02/04/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/06/2020	02/06/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/06/2020	02/06/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/06/2020	02/06/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/07/2020	02/07/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/07/2020	02/07/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/07/2020	02/07/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/11/2020	02/10/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/11/2020	02/10/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/11/2020	02/10/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/11/2020	02/11/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/11/2020	02/11/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/11/2020	02/11/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/12/2020	02/12/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/12/2020	02/12/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/12/2020	02/12/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/13/2020	02/13/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/13/2020	02/13/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/13/2020	02/13/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/14/2020	02/14/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/14/2020	02/14/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/14/2020	02/14/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/19/2020	02/18/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/19/2020	02/18/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/19/2020	02/18/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/19/2020	02/19/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/19/2020	02/19/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/19/2020	02/19/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/20/2020	02/20/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/20/2020	02/20/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/20/2020	02/20/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/24/2020	02/21/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/24/2020	02/21/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/24/2020	02/21/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/25/2020	02/24/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/25/2020	02/24/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/25/2020	02/24/2020	CODE, JEFFREY	1.00	\$2.34	ASSIGNED	PC/Computer	100000002708	INS
866220	02/26/2020	02/25/2020	CODE, JEFFREY	1.00	\$5.69	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/26/2020	02/25/2020	CODE, JEFFREY	1.00	\$0.40	ASSIGNED	Cell Phone	100000002708	INS



12a1b. Copy of OMI Seq 4 NESPS Odor Corrosion Study Project - WRC labor-FB-NPF-EQP for 03-18-2020 meeting	Equipment
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866220	02/11/2020	02/10/2020	ROBERTS, PATRICK	3.00	\$1.80	ASSIGNED	Mobile Data Card	100000002708	INS
866220	02/11/2020	02/10/2020	ROBERTS, PATRICK	3.00	\$7.02	ASSIGNED	PC/Computer	100000002708	INS
866220	02/11/2020	02/10/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/12/2020	02/11/2020	ROBERTS, PATRICK	3.00	\$17.07	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/12/2020	02/11/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/12/2020	02/11/2020	ROBERTS, PATRICK	3.00	\$1.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/12/2020	02/11/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/12/2020	02/11/2020	ROBERTS, PATRICK	3.00	\$1.80	ASSIGNED	Mobile Data Card	100000002708	INS
866220	02/12/2020	02/11/2020	ROBERTS, PATRICK	8.00	\$4.80	ASSIGNED	Mobile Data Card	100000002708	INS
866220	02/12/2020	02/11/2020	ROBERTS, PATRICK	3.00	\$7.02	ASSIGNED	PC/Computer	100000002708	INS
866220	02/12/2020	02/11/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/12/2020	02/12/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/12/2020	02/12/2020	ROBERTS, PATRICK	3.00	\$17.07	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/12/2020	02/12/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/12/2020	02/12/2020	ROBERTS, PATRICK	3.00	\$1.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/12/2020	02/12/2020	ROBERTS, PATRICK	8.00	\$4.80	ASSIGNED	Mobile Data Card	100000002708	INS
866220	02/12/2020	02/12/2020	ROBERTS, PATRICK	3.00	\$1.80	ASSIGNED	Mobile Data Card	100000002708	INS
866220	02/12/2020	02/12/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/12/2020	02/12/2020	ROBERTS, PATRICK	3.00	\$7.02	ASSIGNED	PC/Computer	100000002708	INS
866220	02/14/2020	02/13/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/14/2020	02/13/2020	ROBERTS, PATRICK	3.00	\$17.07	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/14/2020	02/13/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/14/2020	02/13/2020	ROBERTS, PATRICK	3.00	\$1.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/14/2020	02/13/2020	ROBERTS, PATRICK	8.00	\$4.80	ASSIGNED	Mobile Data Card	100000002708	INS
866220	02/14/2020	02/13/2020	ROBERTS, PATRICK	3.00	\$1.80	ASSIGNED	Mobile Data Card	100000002708	INS
866220	02/14/2020	02/13/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/14/2020	02/13/2020	ROBERTS, PATRICK	3.00	\$7.02	ASSIGNED	PC/Computer	100000002708	INS
866220	02/14/2020	02/14/2020	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/14/2020	02/14/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/14/2020	02/14/2020	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	INS
866220	02/14/2020	02/14/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/14/2020	02/14/2020	ROBERTS, PATRICK	8.00	\$4.80	ASSIGNED	Mobile Data Card	100000002708	INS
866220	02/14/2020	02/14/2020	ROBERTS, PATRICK	2.00	\$1.20	ASSIGNED	Mobile Data Card	100000002708	INS
866220	02/14/2020	02/14/2020	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	INS
866220	02/14/2020	02/14/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/18/2020	02/17/2020	ROBERTS, PATRICK	11.00	\$62.59	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/18/2020	02/17/2020	ROBERTS, PATRICK	11.00	\$4.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/18/2020	02/17/2020	ROBERTS, PATRICK	11.00	\$25.74	ASSIGNED	PC/Computer	100000002708	INS
866220	02/18/2020	02/18/2020	ROBERTS, PATRICK	3.00	\$17.07	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/18/2020	02/18/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/18/2020	02/18/2020	ROBERTS, PATRICK	3.00	\$1.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/18/2020	02/18/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/18/2020	02/18/2020	ROBERTS, PATRICK	3.00	\$7.02	ASSIGNED	PC/Computer	100000002708	INS
866220	02/18/2020	02/18/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/20/2020	02/19/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/20/2020	02/19/2020	ROBERTS, PATRICK	3.00	\$17.07	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/20/2020	02/19/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/20/2020	02/19/2020	ROBERTS, PATRICK	3.00	\$1.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/20/2020	02/19/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/20/2020	02/19/2020	ROBERTS, PATRICK	3.00	\$7.02	ASSIGNED	PC/Computer	100000002708	INS
866220	02/21/2020	02/20/2020	ROBERTS, PATRICK	3.00	\$17.07	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/21/2020	02/20/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/21/2020	02/20/2020	ROBERTS, PATRICK	3.00	\$1.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/21/2020	02/20/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/21/2020	02/20/2020	ROBERTS, PATRICK	3.00	\$7.02	ASSIGNED	PC/Computer	100000002708	INS
866220	02/21/2020	02/20/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/22/2020	02/21/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/27/2020	02/21/2020	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/22/2020	02/21/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/27/2020	02/21/2020	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	INS
866220	02/22/2020	02/21/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/27/2020	02/21/2020	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	INS
866220	02/24/2020	02/24/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/24/2020	02/24/2020	ROBERTS, PATRICK	2.00	\$11.38	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/24/2020	02/24/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/24/2020	02/24/2020	ROBERTS, PATRICK	2.00	\$0.80	ASSIGNED	Cell Phone	100000002708	INS
866220	02/24/2020	02/24/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/24/2020	02/24/2020	ROBERTS, PATRICK	2.00	\$4.68	ASSIGNED	PC/Computer	100000002708	INS
866220	02/26/2020	02/25/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/26/2020	02/25/2020	ROBERTS, PATRICK	1.50	\$8.54	ASSIGNED	1/2 Ton Pick-up	100000002708	INS

866220	02/26/2020	02/25/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/26/2020	02/25/2020	ROBERTS, PATRICK	1.50	\$0.60	ASSIGNED	Cell Phone	100000002708	INS
866220	02/26/2020	02/25/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/26/2020	02/25/2020	ROBERTS, PATRICK	1.50	\$3.51	ASSIGNED	PC/Computer	100000002708	INS
866220	02/28/2020	02/26/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/28/2020	02/26/2020	ROBERTS, PATRICK	1.50	\$8.54	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/28/2020	02/26/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/28/2020	02/26/2020	ROBERTS, PATRICK	1.50	\$0.60	ASSIGNED	Cell Phone	100000002708	INS
866220	02/28/2020	02/26/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/28/2020	02/26/2020	ROBERTS, PATRICK	1.50	\$3.51	ASSIGNED	PC/Computer	100000002708	INS
866220	02/28/2020	02/27/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/28/2020	02/27/2020	ROBERTS, PATRICK	1.50	\$8.54	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/28/2020	02/27/2020	ROBERTS, PATRICK	1.50	\$0.60	ASSIGNED	Cell Phone	100000002708	INS
866220	02/28/2020	02/27/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/28/2020	02/27/2020	ROBERTS, PATRICK	1.50	\$3.51	ASSIGNED	PC/Computer	100000002708	INS
866220	02/28/2020	02/27/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
866220	02/28/2020	02/28/2020	ROBERTS, PATRICK	1.50	\$8.54	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/28/2020	02/28/2020	ROBERTS, PATRICK	8.00	\$45.52	ASSIGNED	1/2 Ton Pick-up	100000002708	INS
866220	02/28/2020	02/28/2020	ROBERTS, PATRICK	1.50	\$0.60	ASSIGNED	Cell Phone	100000002708	INS
866220	02/28/2020	02/28/2020	ROBERTS, PATRICK	8.00	\$3.20	ASSIGNED	Cell Phone	100000002708	INS
866220	02/28/2020	02/28/2020	ROBERTS, PATRICK	1.50	\$3.51	ASSIGNED	PC/Computer	100000002708	INS
866220	02/28/2020	02/28/2020	ROBERTS, PATRICK	8.00	\$18.72	ASSIGNED	PC/Computer	100000002708	INS
			<b>ROBERTS, PATRICK Total</b>		<b>\$1,934.45</b>				
866220	02/10/2020	02/10/2020	ROBINSON, RYAN	6.00	\$34.14	ASSIGNED	3/4 Ton Pick-up	100000002708	INS
866220	02/10/2020	02/10/2020	ROBINSON, RYAN	6.00	\$2.40	ASSIGNED	Cell Phone	100000002708	INS
866220	02/10/2020	02/10/2020	ROBINSON, RYAN	6.00	\$3.60	ASSIGNED	Mobile Data Card	100000002708	INS
866220	02/10/2020	02/10/2020	ROBINSON, RYAN	6.00	\$14.04	ASSIGNED	PC/Computer	100000002708	INS
866220	02/20/2020	02/20/2020	ROBINSON, RYAN	4.00	\$22.76	ASSIGNED	3/4 Ton Pick-up	100000002708	INS
866220	02/20/2020	02/20/2020	ROBINSON, RYAN	4.00	\$1.60	ASSIGNED	Cell Phone	100000002708	INS
866220	02/20/2020	02/20/2020	ROBINSON, RYAN	4.00	\$9.36	ASSIGNED	PC/Computer	100000002708	INS
			<b>ROBINSON, RYAN Total</b>		<b>\$87.90</b>				
866220	02/10/2020	02/10/2020	CDM Leica TS15P R400	6.00	\$57.00	UNASSIGNED		100000002708	INS
866220	02/20/2020	02/20/2020	CDM Leica TS15P R400	4.00	\$38.00	UNASSIGNED		100000002708	INS
			<b>CDM Leica TS15P R400 Total</b>		<b>\$95.00</b>				
			<b>Grand Total</b>		<b>\$2,409.09</b>				

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



## Public/Group Meeting Expense Form

Date: 2/25/2020  
 Contact Name: Debbie Hackman

Department: WRC  
 Division: Administration

Signature: Debbie Hackman  
 (authorized to charge account)

FUND #	DEPT. #	PROGRAM #	ACCOUNT #
82912	6010101	155020	732165
<b>Project Info (if applicable)</b>			
Project information should include Project Business Unit, Project ID, Activity, Category (if applicable) and Budget Ref year			
Please provide complete and accurate account information in the boxes above			

## Event Information

Type of Event: OMI Drain Board Meeting Date of Event: 2/19/2020  
 Number of attendees: 25 Total Cost: \$289.76

**List of attendees and a copy of the agenda must be attached to this form**

Vendor/Payee's Name: Panera Bread Café #600750 Please provide mailing  
 Address: 5175 Highland Road address where check  
Waterford, MI 48327 is to be sent  
248-618-0617  
 Vendor ID #: \_\_\_\_\_

## Invoice/receipt must be attached

Method of payment:

Non-Purchasing Voucher

Department can request deposit payments or final payment by submitting this form to Accounts Payable.

Procurement Card

Department must submit the Public/Group Events Expense form to Department Administration with the credit card receipt.

Personal credit card, personal check, or cash to be reimbursed

Department must submit the original receipt with Public/Group Events Expense form to Accounts Payable.

Direct Bill (ex: Oak Management)

Department is responsible for obtaining invoice and submitting with the Public/Group Events Expense form to Accounts Payable.

Purpose of event and purchase (explanation should describe benefits to County):

Lunch was ordered to accommodate staff and board members need to work through lunch without leaving the building.

Approved by Director/Division Manager:

Signature

Title

Date

chief Manager 2/26/2020  
<https://oakgov.sharepoint.com/sites/intranet/departments/fiscal>





# Applied Science, Inc.

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

March 5, 2020

Project Invoice #13 (ASI Inv. #7539)

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

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

li # 41133

v # 352

Invoice Period: 1/26/20 - 2/22/20

exp. 6/20/21

Task No.	Task Description	Total This Invoice
1	<b>Transition &amp; Basis of Design</b> 82912	
	Total:	\$ 1,050.00
	Subconsultants:	149662
	FK Engineering:	730639
	ASI Markup 5%:	\$ 117.38
	Total:	\$ 3,514.88
		1-2842 englon

Task No.	Task Description	Total This Invoice
2	<b>Design Services for Pump &amp; Electrical Upgrades</b>	
	Total:	\$ 31,553.00
	Subconsultants:	82912
	Metco Services:	149667
	FK Engineering:	730639
	NTH Consultants	\$ 19,218.71
	AEW	\$ -
	ASI Markup 5%:	\$ 4,263.05
	Total Due This Invoice:	\$ 121,077.01
		1-3020 englon

Task No.	Task Description	Total This Invoice
3	<b>Additional Special Services</b> 82912	
	Total:	\$ -
	Subconsultants:	149667
	NTH Consultants	730639
	FK Engineering:	\$ 1,988.50
	ASI Markup 5%:	\$ 99.43
	Total Due This Invoice:	\$ 2,087.93
		1-3016 englon

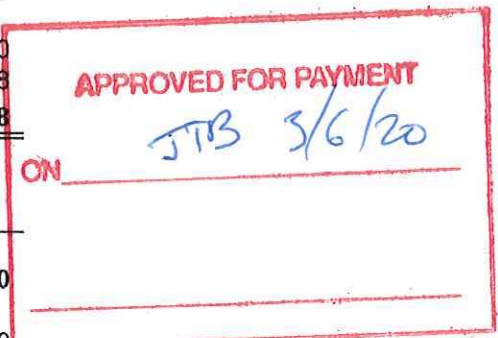
**Total Due This Invoice:** \$ 126,679.81

Previous Amount Invoiced: \$ 832,319.99

Total Invoiced To-Date \$ 958,999.80

Contract Task Total: \$ 1,691,901.00

Amount Remaining: \$ 732,901.20





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

## INVOICE

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

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

Account Number: 000200418081  
Wire Routing: 011000138  
Invoice Number: 90094298  
Invoice Date: 04-MAR-2020  
Project Number: 95031

**Amount Due : \$2,883.26**

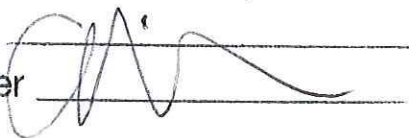
Services from January 26, 2020 to February 29, 2020

Re : OMID Flow Meter Management and Billing Support

### 95031 - OMID Flow Meter DM/Billing

Description	Amount
Labor	\$2,883.26
Other Direct Costs	\$0.00
Outside Professionals	\$0.00
Total Due	\$2,883.26

Description	Amount
Previously Invoiced	\$396,707.66
Invoiced ITD	\$399,590.92
Total Contract Amount	\$655,000.00
Balance Remaining	\$255,409.08
Percent Complete	61.01%

Fund 82912 Dept 606061  
Prog 149100 Acct 730373  
Contract # 5229 Project \_\_\_\_\_  
Op Unit \_\_\_\_\_  
Approver 



LG Design is a Subsidiary of CH2M Hill Engineers

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

Invoice Contact:  
Sandy.Peppler@jacobs.com

Remit to:

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

Invoice Date 3/2/2020  
CH2M HILL Project No. 705773CH  
CH2M HILL Invoice No. 705773CH013  
Sequential Invoice Number: 14

**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 25, 2020 through February 21, 2020

Authorized Amount: \$ 1,272,470.46  
Current Invoice: \$ 38,531.46  
Total Invoiced: \$ 890,300.64  
Percent Complete: 69.97%  
Remaining Budget: \$ 382,169.82

**Total Amount Due: \$ 38,531.46**

Project/Task Number	Description	Total Budget	Previously Invoiced	Current Invoice	Total Invoiced	Percent Spent	Remaining Budget
1	PROJECT MANAGEMENT	\$ 33,527.00	\$ 33,504.07	\$ -	\$ 33,504.07	99.93%	\$ 22.93
2	PRELIMINARY DESIGN	\$ 73,599.00	\$ 73,519.37	\$ -	\$ 73,519.37	99.89%	\$ 79.63
3	FINAL DESIGN	\$ 195,027.00	\$ 195,009.84	\$ -	\$ 195,009.84	99.99%	\$ 17.16
4	BIDDING	\$ 31,841.46	\$ 31,840.94	\$ -	\$ 31,840.94	100.00%	\$ 0.52
5	CONSTRUCTION OBSERVATION	\$ 344,187.00	\$ 184,921.45	\$ 15,467.60	\$ 200,389.05	58.22%	\$ 143,797.95
6	REVIEW SUBMITTALS	\$ 85,648.00	\$ 85,096.67	\$ -	\$ 85,096.67	99.36%	\$ 551.33
7	CHANGES & CLAIMS	\$ 17,361.00	\$ 1,708.25	\$ 2,713.65	\$ 4,421.90	25.47%	\$ 12,939.10
8	SITE INSPECTION	\$ 35,641.00	\$ 4,307.50	\$ -	\$ 4,307.50	12.09%	\$ 31,333.50
9	PREPARE O&M MANUAL	\$ 26,718.00	\$ -	\$ -	\$ -	0.00%	\$ 26,718.00
10	PROVIDE OPERATING TRAINING	\$ 9,082.00	\$ -	\$ -	\$ -	0.00%	\$ 9,082.00
11	ASSIST WITH FACILITY START-UP	\$ 17,129.00	\$ -	\$ -	\$ -	0.00%	\$ 17,129.00
12	PREPARE RECORD DRAWINGS	\$ 9,803.00	\$ -	\$ -	\$ -	0.00%	\$ 9,803.00
13	WARRANTY & PERFORMANCE REVIEWS	\$ 15,925.00	\$ -	\$ -	\$ -	0.00%	\$ 15,925.00
14	PROJECT PLANNING	\$ 25,000.00	\$ 24,997.75	\$ -	\$ 24,997.75	99.99%	\$ 2.25
EX	EXPENSES	\$ 22,711.00	\$ 17,175.62	\$ -	\$ 17,175.62	75.63%	\$ 5,535.38
SUB.METCO	ELECTRICAL ENGINEERING	\$ 75,570.00	\$ 70,384.50	\$ 3,810.00	\$ 74,194.50	98.18%	\$ 1,375.50
SUB.NTH	GEOTECH INVESTIGATION	\$ 227,760.00	\$ 124,053.22	\$ 16,540.21	\$ 140,593.43	61.73%	\$ 87,166.57
SUB.SDA	SITE SURVEY	\$ 5,250.00	\$ 5,250.00	\$ -	\$ 5,250.00	100.00%	\$ -
Subtotal:		\$ 1,251,779.46	\$ 851,769.18	\$ 38,531.46	\$ 890,300.64	71.12%	\$ 361,478.82
Allowance:		\$ 20,691.00	\$ -	\$ -	\$ -	0.00%	\$ 20,691.00
Total:		\$ 1,272,470.46	\$ 851,769.18	\$ 38,531.46	\$ 890,300.64	71.12%	\$ 382,169.82

**OUTSTANDING INVOICES:**

INVOICE DATE	INVOICE #	AMOUNT
Total:		\$ -
Current invoice		\$ 38,531.46
TOTAL DUE:		\$ 38,531.46

**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

Fund	21915	Dept	6010101
Prog	149015	Acct	730373
Contract #	5456	Project	1-2708
Chap 20/21	21	Op Unit	enjon
Approver			

v# 22147  
exp. 4/26/23  
i# 41047

JTB 3/3/20



# CLARK HILL

P.L.C.

ATTORNEYS AT LAW

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

## INVOICE

Invoice # 958030

Oakland-Macomb Interceptor Drain Drainage District February 20, 2020  
Attn: Kelsey Cooke Client: 58434  
c/o Oakland County Water Resources Commissioner Matter: 316432  
1 Public Works Drive  
Waterford, MI 48328

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

FOR SERVICES RENDERED through January 31, 2020

Total Services: \$1,215.00

INVOICE TOTAL \$1,215.00

TOTAL AMOUNT DUE \$1,215.00

Fund	22912	Dept	6010101
Prog	149030	Acct	331073
Contract #	5113	Project	
Chap 20/21	21	Op Unit	
Approver	S. A. K. 3-4-20		

PAYABLE UPON RECEIPT IN U.S. DOLLARS

JB  
2-27-20



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: 3/2/2020  
Jacobs Project Number: 697317CH  
Sequential Invoice Number: 18  
Jacobs Invoice Number: 697317CH018

# INVOICE

## OMIDDD System-wide Odor/Corrosion Study

This invoice includes labor and expenses for the period  
From January 25, 2020 through February 21, 2020

Authorized Amount	\$	383,789.00
Current Invoice	\$	11,928.66
Total Invoiced to Date	\$	366,557.72
Remaining Budget	\$	17,231.28

Total Amount Due	\$	11,928.66
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### STATUS OF PREVIOUS INVOICES

Date	Invoice Number	Sequential Invoice Number	Invoiced Amount	Paid Date	Paid Amount	Amount Outstanding
09/27/2018	381161194	1	\$35,231.70	11/14/2018	\$35,231.70	\$0.00
11/07/2018	697317CH001	2	\$18,104.11	12/06/2018	\$18,104.11	\$0.00
11/13/2018	697317CH002	3	\$11,916.34	12/24/2018	\$11,916.34	\$0.00
12/17/2018	697317CH003	4	\$17,294.97	01/29/2019	\$17,294.97	\$0.00
01/09/2019	697317CH004	5	\$11,205.83	01/24/2019	\$11,205.83	\$0.00
02/15/2019	697317CH005	6	\$14,963.22	03/27/2019	\$14,963.22	\$0.00
03/11/2019	697317CH006	7	\$23,348.82	03/27/2019	\$23,348.82	\$0.00
04/17/2019	697317CH008	8	\$21,792.04	05/17/2019	\$21,792.04	\$0.00
05/21/2019	697317CH009	9	\$10,413.99	06/28/2019	\$10,413.99	\$0.00
06/05/2019	697317CH010	10	\$14,856.85	07/31/2019	\$14,856.85	\$0.00
08/13/2019	697317CH011	11	\$64,654.11	08/30/2019	\$64,654.11	\$0.00
09/17/2019	697317CH012	12	\$25,928.19	10/31/2019	\$25,928.19	\$0.00
10/21/2019	697317CH013	13	\$22,538.94	11/27/2019	\$22,538.94	\$0.00
11/04/2019	697317CH014	14	\$8,692.74	12/06/2019	\$8,692.74	\$0.00
12/04/2019	697317CH015	15	\$12,547.23	01/23/2020	\$12,547.23	\$0.00
01/10/2020	697317CH016	16	\$27,522.34		\$0.00	\$27,522.34
01/31/2020	697317CH017	17	\$13,617.64		\$0.00	\$13,617.64
TOTAL OUTSTANDING AMOUNT					\$41,139.98	

Payment terms: 30 NET

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

#### Electronic payment details:

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

#### Checks payable to:

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

Fund	84912	Dept	6010101
Prog	149015	Acct	730639
Contract #	5216	Project	1-2892
Chap 20/21	21	Op Unit	std
Approver			

JTB 3/4/20

v# 20192  
exp. 5/15/20  
li. # 39042



**KENNEDY**  
INDUSTRIES

INNOVATE  
SOLVE  
MONITOR  
REPAIR

INVOICE		
DATE	NUMBER	PAGE
1/31/2020	616153	1 of 1

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

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

T  
O

T  
O

ATTENTION:

TERRY MOORE

313-829-7207

tmoore@metcoservices.com

CUSTOMER REF/PO #		JOB #	JOB TITLE	SLP	SHIPPING TYPE	
		0103228	NEPS, PUMP #2, FIELD SERVICE	KES/CJD	FIELD SERVICE	
QUANTITY		PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED	
B/O	Ship					

0.00	5.00	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (1) FIELD SERVICE TECHNICIAN(S) ONSITE ON 1-16-20 @ OVERTIME RATES. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$202.50	\$1,012.50	
0.00	1.00	TRAVEL	SERVICE VEHICLE ON 1-16-20	\$99.00	\$99.00	
0.00	1.00	SUPPLIES USED	9' - 7/8" PACKING	\$88.38	\$88.38	
0.00	5.00	GRE550NORTHEASTPS	GLWA, NORTHEAST PUMP STATION KENNEDY INDUSTRIES PROVIDED (1) FIELD SERVICE TECHNICIAN(S) ONSITE ON 1-18-20 @ SATURDAY RATES. PLEASE SEE THE ATTACHED SERVICE REPORT.	\$202.50	\$1,012.50	
0.00	1.00	TRAVEL	SERVICE VEHICLE ON 1-18-20	\$99.00	\$99.00	

Fund	82912	Dept	6010101
Prog	149090	Acct	7300000
Contract #	5825	Project	
Chap 20/21	AM	Op Unit	
Approver	JR	3/3/20	

V# 239  
exp. 4/30/20

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

3-2-2020

<p>This invoice is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms &amp; Conditions (Rev'd 4/2019) and Customer Warranty available at <a href="http://www.kennedyind.com">www.kennedyind.com</a> which will be provided by email upon written request. Buyer expressly agrees to the provisions set forth in the Terms &amp; Conditions and Customer Warranty posted on Kennedy's website.</p> <p><b>*TERMS OF PAYMENT ARE NET 30 DAYS FROM DATE OF INVOICE</b></p> <p><b>*A 7% PER ANNUM SERVICE CHARGE SHALL BE APPLIED TO ANY BALANCE</b></p> <p><b>*CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE</b></p>	SUBTOTAL:	\$ 2,311.38
	TAX:	\$ 0.00
	TOTAL:	\$ 2,311.38

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

[www.KennedyInd.com](http://www.KennedyInd.com)





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

INVOICE NO. 1811-14

DATE: March 4, 2020

METCO PROJECT NO. 1811

INVOICE PERIOD: thru 2/29/2020

Contract ID 000000000000000000005517

Vendor ID 0000020486

TO: OMIDD

Water Resources Commissioner

One Public Works Drive

Waterford, MI 48328

Attn: Mr. Sid Lockhart, PE

Deputy Chief Engineer/Special Projects Manager

TITLE: NESPS Operation and Maintenance

APPROVED FOR PAYMENT

JTB 3/6/20

ON

**Task 3.2 - Operational Plan**

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

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	0.0	\$ 215.00	\$ -
Terry Moore	Operations Manager	13.0	\$ 145.00	\$ 1,885.00
Rosana Santos	Administrative Assoc.	0.0	\$ 73.79	\$ -
<b>Subtotal Task 3.2A:</b>				<b>\$ 1,885.00</b>

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

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Raj Vijayendran, PE	Principal Engineer	16.0	\$ 215.00	\$ 3,440.00
Terry Moore	Operations Manager	35.0	\$ 145.00	\$ 5,075.00
Darrin Green	Staff Engineer	0.0	\$ 90.00	\$ -
Rosana Santos	Administrative Assoc.	2.0	\$ 73.79	\$ 147.58
<b>Subtotal Task 3.2B:</b>				<b>\$ 8,662.58</b>
<b>Subtotal 3.2:</b>				<b>\$ 10,547.58</b>

**Task 4.0 - Maintenance & Asset Management**

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

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Terry Moore	Operations Manager	24.0	\$ 145.00	\$ 3,480.00
Darrin Green	Staff Engineer	0.0	\$ 90.00	\$ -
<b>Subtotal Task 4.3A:</b>				<b>\$ 3,480.00</b>

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

<u>Name</u>	<u>Title</u>	<u>Hrs.</u>	<u>Rate/Hr.</u>	<u>Amount</u>
Terry Moore	Operations Manager	68.0	\$ 145.00	\$ 9,860.00
Terry Moore	Operations Manager (Overtime)	0.0	\$ 195.00	\$ -
Daniel Martel	Sr. Project Coordinator	0.0	\$ 145.00	\$ -

Darrin Green	Staff Engineer	43.0	\$	90.00	\$	3,870.00
Darrin Green	Staff Engineer-(Overtime)	0.0	\$	135.00	\$	-
Abhishek Shah	Staff Engineer	24.0	\$	90.00	\$	2,160.00
Brandon Brochue	Designer/Drafter	0.0	\$	85.00	\$	-
Subtotal:						\$ 15,890.00
Maintenance Services (see attached invoices):						\$ 581.32
Subtotal Task 4.3B						\$ 16,471.32
Subtotal 4.3:						\$ 19,951.32

**TOTAL AMOUNT DUE THIS INVOICE: \$ 30,498.90**





**NTH Consultants, Ltd.**

Infrastructure Engineering and  
Environmental Services

**INVOICE**

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

Invoice # : 5  
Project : 61-190306  
Invoice Group : NESPS  
Invoice Date : 3/4/2020

Attention: Sid Lockhart

For Professional Services Rendered from 1/26/2020 - 2/21/2020

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

Task 01 NESPS Construction Material Testing \$32,862.00

Preliminary Budget Amount \$32,862.00  
Percent Complete: 89.46%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 1,578.31	\$ 7,121.01
Overhead %	188.00	2,967.22	13,387.50
Total Regular Labor Expense		4,545.53	20,508.51
Premium Labor Cost		0	0
<b>Total Direct Labor</b>		<b>4,545.53</b>	<b>4,545.53</b>
<b>Profit / Fixed Fee %</b>	12.00	<b>545.46</b>	<b>2,461.02</b>
Direct Expenses Charge		1,295.24	6,121.90
Expense Multiplier %	5.00	64.76	308.10
Direct Subcontractor Charge		0.00	0.00
Subcontractor/Subconsultant Multiplier %	6.00	0.00	0.00
Direct Unit Rate Charge		0.00	0.00
<b>Total Other Direct Charges Reimbursables</b>		<b>1,360.00</b>	<b>6,428.00</b>
<b>Total Costs:</b>		<b>6,450.99</b>	<b>29,397.53</b>
<b>Total Due This Invoice</b>		<b>\$ 6,450.99</b>	<b>\$ 29,397.53</b>

Fund	84915	Dept	6010101
Prog	149015	Acct	731906
Contract #	2003	Project	1-2708
Chap 20/21	121	Op Unit	Std
Approver	[Signature] 3/9/20		

✓ # 4716  
exp. 12/31/21  
li # 24138

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

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

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



NTH Consultants, Ltd.

Infrastructure Engineering and  
Environmental Services

INVOICE

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

Invoice # : 9  
Project : 61-190078  
Invoice Group : NI-EA  
Invoice Date : 3/4/2020

Attention: Sid Lockhart

For Professional Services Rendered from

1/25/2020 - 2/21/2020

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

Task 01	Project Management	\$276,169.00
Task 02	Condition Assessment	\$241,609.00
Task 03	Subsurface Utility Engineering	\$66,679.00
Task 04	Basemap Survey	\$89,327.00
Task 05	Geotechnical Investigation	\$134,797.00
Task 06	Environmental Study	\$80,842.00
Task 07	Basis of Design	\$379,785.00
Task 08	Rehabilitation Design	\$282,099.00
Task 09	Contract Drawings	\$236,070.00
Task 10	Contract Specifications	\$188,178.00
Task 11	Construction Costs	\$27,761.00
Task 12	Permits & Coordination	\$25,655.00
Task 13	Bidding Assistance	\$198,402.00

Preliminary Budget Amount

\$2,205,063.00

Percent Complete:

34.52%

Fund	82912	Dept	6010101
Prog	149667	Acct	730639
Contract #	2603	Project	1-3019
Chap 20/21	21	Op Unit	engon
Approver			

v# 4716

exp. 10/31/21  
li# 24138

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 14,208.44	\$ 133,701.44
Overhead %	188.00	28,711.88	251,358.74
Total Regular Labor Expense		40,920.32	385,060.18
Premium Labor Cost		0	0
<b>Total Direct Labor</b>		<b>40,920.32</b>	<b>385,060.18</b>
<b>Profit / Fixed Fee %</b>	12.00	<b>4,910.44</b>	<b>46,207.21</b>
Direct Expenses Charge		443.43	19,044.30
Expense Multiplier %	5.00	22.17	952.23
Direct Subcontractor Charge		73,438.20	292,374.58
Subcontractor/Subconsultant Multiplier %	8.00	4,406.29	17,542.50
Direct Unit Rate Charge		0.00	0.00
<b>Total Other Direct Charges Reimbursables</b>		<b>78,310.09</b>	<b>329,913.61</b>
<b>Total Costs:</b>		<b>124,140.85</b>	<b>761,181.00</b>
<b>Total Due This Invoice</b>		<b>\$ 124,140.85</b>	<b>\$ 761,181.00</b>

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

OMI Drain Drainage District  
One Public Works Drive  
Building 96 West  
Waterford, MI 48328

Invoice # : 13  
Project : 61-190044  
Invoice Group : REPAIRS  
Invoice Date : 3/4/2020

Attention: Sid Lockhart

For Professional Services Rendered from

01/25/2019 - 02/21/2020

OMID System Immediate Repairs

AMP/Inspection Reports (Task 01)	\$4,587.37
Rehabilitation Design (Task 02)	\$71,617.66
Construction Observation (Task 03)	\$178,109.97
	<u>\$264,315.00</u>

Analysis of Costs		This Invoice	Cumulative
Direct Salaries (Task 01 & 02)		\$ 313.38	\$ 22,753.01
Overhead %	188.00	589.12	42,775.65
Total Regular Labor Expense		902.48	65,528.66
Premium Labor Cost		0	0
<b>Total Direct Labor</b>		<b>902.48</b>	<b>65,528.66</b>
<b>Profit / Fixed Fee %</b>	<b>12.00</b>	<b>108.30</b>	<b>7,863.44</b>
Direct Expenses Charge		0.00	330.08
Expense Multiplier %	5.00	0.00	66.51
Direct Subcontractor Charge		377.50	8,972.75
Subcontractor/Subconsultant Multiplier %	5.00	18.88	448.68
Direct Unit Rate Charge		0.00	0.00
<b>Total Other Direct Charges Reimbursables</b>		<b>396.38</b>	<b>9,818.02</b>
<b>Total Costs:</b>		<b>1,407.16</b>	<b>83,210.12</b>
<b>Total Due This Invoice</b>		<b>\$ 1,407.16</b>	<b>\$ 83,210.12</b>

Fund	82912	Dept	6010101
Prog	149662	Acct	730039
Contract #	2603	Project	1-3015
Chap 20/21	21	Op Unit	engcon
Approver			

v # 4716  
exp 12/31/21  
li # 24139

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**

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

Invoice # : 18  
Project : 61-180419  
Invoice Group : NI-EA  
Invoice Date : 3/4/2020

Attention: Sid Lockhart

For Professional Services Rendered from

01/28/2019 - 02/21/2020

NI-EA Lining Options and Study

NI-EA Lining Study Options and Evaluation (Task 01)

\$126,744.00

\$126,744.00

Analysis of Costs	This Invoice		Cumulative
Direct Salaries (Task 01)	\$	100.83	\$ 28,958.97
Overhead %	188.00	189.18	54,439.11
Total Regular Labor Expense		289.81	83,398.08
Premium Labor Cost		0	0
<b>Total Direct Labor</b>		<b>289.81</b>	<b>83,398.08</b>
<b>Profit / Fixed Fee %</b>	12.00	<b>34.78</b>	<b>10,007.55</b>
Direct Expenses Charge		0.00	455.15
Expense Multiplier %	5.00	0.00	22.76
Direct Subcontractor Charge		291.25	23,755.35
Subcontractor/Subconsultant Multiplier %	5.00	14.56	1,187.75
Direct Unit Rate Charge			0.00
<b>Total Other Direct Charges Reimbursables</b>		<b>305.81</b>	<b>25,421.01</b>
<b>Total Costs:</b>		<b>630.40</b>	<b>118,824.64</b>
<b>Total Due This Invoice</b>	\$	<b>630.40</b>	<b>\$ 118,824.64</b>

Fund	84915	Dept	6010101
Prog	149015	Acct	730639
Contract #	2683	Project	1-2232
Chap 20/21	21	Op Unit	eng/cn
Approver			

v # 4716  
exp. 12/31/21  
li # 24130

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

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

Invoice #: 50  
Project: 61-150162  
Invoice Group: NESPS CCA  
Invoice Date: 3/4/2020

Attention: Sid Lockhart

For Professional Services Rendered from

01/25/2020 - 02/21/2020

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)	\$522,070.89
Continuation of GLWA Coordination (Task 04)	\$41,800.92
Sterling Heights Sewer Grout Investigation (Task 05)	\$7,507.83
Preliminary Budget Amount	\$1,011,879.00
Percent Complete:	97.53%

Analysis of Costs		This Invoice	Cumulative
Direct Salaries		\$ 255.55	\$ 241,302.52
Overhead %	188.00	480.43	453,648.72
Total Regular Labor Expense		735.98	694,951.24
Premium Labor Cost		0	0
Total Direct Labor		735.98	694,951.24
Profit / Fixed Fee %	12.00	89.32	83,394.23
Direct Expenses Charge		0.00	37,430.90
Expense Multiplier %	5.00	0.00	1,871.55
Direct Subcontractor Charge		168.10	156,767.84
Subcontractor/Subconsultant Multiplier %	5.00	8.41	7,838.40
Direct Unit Rate Charge		0.00	4,855.59
Total Other Direct Charges Reimbursables		176.51	208,564.28
Total Costs:		1,000.81	986,909.75
Total Due This Invoice		\$ 1,000.81	\$ 986,909.75

Fund	84915	Dept	6010101
Prog	149015	Acct	730639
Contract #	2603	Project	1-2232
Chap 20/21	22	Op Unit	enr/lon
Approver	3/9/20		

v # 4716  
exp. 12/31/21  
li # 24138

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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# PMA Consultants

226 W. Liberty Street • Ann Arbor, MI 48104  
Tel: 734.769.0530 • Fax: 734.663.9561

Oakland-Macomb Interceptor Drainage District  
Sid Lockhart-Oakland County Water Resources  
One Public Works Drive  
Building 95-West  
Waterford, MI 48328

March 5, 2020  
Invoice No: 03559-87

Project 03559 Oakland-Macomb Interceptor Drainage

**Professional Services from February 1, 2020 to February 29, 2020**

Task 9.0 NESPS Mechanical and Electrical Upgrades

**Professional Personnel**

	Hours	Rate	Amount
Zann, John	24.00	93.50	2,244.00
Totals	24.00		2,244.00
<b>Total Labor</b>			<b>2,244.00</b>

**Additional Fees**

Overhead	149.10 % of 2,244.00	3,345.80
Profit	10.00 % of 5,589.80	558.98
<b>Total Additional Fees</b>		<b>3,904.78</b>

**Total this Task \$6,148.78**

**Total this Invoice \$6,148.78**

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](mailto:szeisler@pmaconsultants.com).

Fund	82912	Dept	6010101
Prog	1491667	Acct	731444
Contract #	5158	Project	1-3020
Chap 20/21	21	Op Unit	enr/cen
Approver			

v# 16918  
exp. 4/30/20



ROTOR ELECTRIC CO.

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	1/10/2020	2/18/2020	12289

JOEL BROWN

Item No	Description of Work	Contract Amount	Previous Billings	Current Amount	To Date Complete & Stored	Balance To Finish	Current Retainage
001	SWITCHGEAR MAINTENANCE AND TESTING	\$2,411.59	-	\$2,411.59	\$2,411.59	-	-
Totals:		\$2,411.59		\$2,411.59	\$2,411.59		
Less Retained:							
Invoice Total:				\$2,411.59			

INVESTIGATE AND REPAIR LIGHT SWITCHES

INVESTIGATE AND REPAIR HEATER FOR BATHROOM

INVESTIGATE AND REPAIR POWER TO RECEPTICALS

Fund	82910	Dept	6010101
Prog	149090	Acct	730666b
Contract #	5807	Project	
Chap 20/21	21	Op Unit	
Approver	Eugene L. Bant		

v# 22125  
ii# 42614  
exp. 6/28/20

complete electrical construction

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





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	12/11/2019	2/20/2020	12296

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	\$4,902.00	-	\$4,902.00	\$4,902.00	-	-
Totals:		\$4,902.00		\$4,902.00	\$4,902.00		
Less Retained							
Invoice Total:				\$4,902.00			

TROUBLESHOOT GENERATOR SHELTER

Fund	<u>80912</u>	Dept	<u>6010101</u>
Prog	<u>149090</u>	Acct	<u>7306660</u>
Contract #	<u>5807</u>	Project	
Chap 20/21	<u>21</u>	Op Unit	
Approver	<u>Engel</u>		<u>Bentley</u>

v # 20125

li # 42614

exp. 6/26/20

complete electrical construction

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





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

# INVOICE

OWID  
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	2/14/2020	2/20/2020	12297

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	\$534.15		\$534.15	\$534.15		
Totals:		\$534.15		\$534.15	\$534.15		
Loss Retained:							
Invoice Total:				\$534.15			

REPAIR DANGLING LIGHT FIXTURE

Fund	02912	Dept	6010101
Prog	149090	Acct	7306660
Contract #	5807	Project	
Chap 20/21	120	Op Unit	
Approver	3/4/20		

v# 20125  
exp. w/20/20

complete electrical construction

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

# Project Application and Project Certificate for Payment, Construction Manager as Adviser Edition

<b>TO OWNER:</b> Oakland Macomb Interceptor Drain Drainage District c/o Oakland County WRC One Public Works Drive, Building 95 West Waterford, MI 48328-1907	<b>PROJECT:</b> OMIDDD NESPS Mech. And Elec. Improvements	<b>APPLICATION NO:</b> 220008 Pre-Con 1 <b>PERIOD TO:</b> 2/23/2020	<b>Distribution to:</b> OWNER: <input checked="" type="checkbox"/> CONSTRUCTION MANAGER: <input checked="" type="checkbox"/> ARCHITECT: <input type="checkbox"/> OTHER: <input type="checkbox"/>
<b>ATTENTION:</b> Joel T. Brown P.E.	<b>VIA CONSTRUCTION MANAGER:</b> CJ Pokorny Walsh Construction Company II, LLC 3031 West Grand Blvd. Ste.640 Detroit, MI 48202	<b>OMIDDD Proj#</b> 1-3020 <b>FUND</b> 82912 <b>ACCOUNT</b> 730373 <b>ACTIVITY</b> ENGCON <b>VENDOR ID</b> 23191	contact #5977 <b>LINE ITEM</b> 43331 <b>Expiration:</b> 12/16/2022

## PROJECT APPLICATION FOR PAYMENT

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

<b>1. TOTAL CONTRACT SUMS</b> (Item D Totals)	\$ 570,000.00
<b>2. TOTAL NET CHANGES BY CHANGE ORDER:</b>	\$ -
<b>3. TOTAL CONTRACT SUM TO DATE</b>	\$ 570,000.00
<b>4. TOTAL COMPLETED &amp; STORED TO DATE</b> (Item G Totals)	\$ 254,518.00
	\$ -
<b>5. LESS PREVIOUS TOTAL PAYMENTS</b> (Item J Totals)	\$ -
<b>6. CURRENT PAYMENT DUE</b> (Item A Totals)	\$ 254,518.00

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

### CONSTRUCTION MANAGER:

By: \_\_\_\_\_ Date: \_\_\_\_\_

State of:

County of:

Subscribed and sworn to before me this

day of

Notary Public:

My Commission expires:

## PROJECT CERTIFICATE FOR PAYMENT

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

### TOTAL OF AMOUNTS CERTIFIED

### CONSTRUCTION MANAGER:

By: \_\_\_\_\_ Date: \_\_\_\_\_

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

### ARCHITECT:

By: \_\_\_\_\_ Date: \_\_\_\_\_

## **Agenda Item No. 13**

Underground Maintenance and  
Miscellaneous Service Contracts



## **Oakland-Macomb Interceptor Drain Drainage District**

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**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: Underground Maintenance and Miscellaneous Service Contracts for the NESPS, NI-EA and OMID System**

**DATE: March 18, 2020**

On July 1, 2019 the OMIDDD assumed control of the maintenance responsibilities for the Northeast Sewage Pumping Station and the North Interceptor-East-Arm (NI-EA). As part of these new responsibilities, on June 19, 2019 the OMIDDD Board approved various discipline-specific maintenance contracts with contractors to supply routine repair, preventative maintenance and emergency response services for equipment at the NESPS as well as the NI-EA and OMID systems. Since then, our maintenance duties have revealed the need for underground and other non-discipline specific work that is more suited for a general contractor. Such work includes, but is not necessarily limited to, the following:

1. Manhole repair
2. Water line and hydrant repair/replacement
3. Sewer line repair/replacement
4. Miscellaneous concrete repair/replacement
5. Miscellaneous metal repair/replacement
6. Sign procurement
7. As-needed traffic control

To that end, both Macomb County and Oakland County each selected a contractor, D'Angelo Brothers, Inc. and Cortis Brothers Trucking and Excavating, Inc. respectively, that has performed one or more of the above services in the past in a timely, quality and workmanlike manner. Contracts have subsequently been developed between OMIDDD and each of these contractors to perform these services for a not to exceed amount of \$500,000.

**RECOMMENDED ACTION: Approve the attached D'Angelo Brothers, Inc. and Cortis Brothers Trucking and Excavating, Inc. contracts to perform underground and miscellaneous services for the OMID, NI-EA and the NESPS for a not-to-exceed amount of \$500,000.**

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**OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT**

**PROFESSIONAL SERVICES CONTRACT**

**Effective Date: March \_\_, 2020**  
**Contract Expiration Date: March \_\_, 2023**

**Contract - NOT TO EXCEED AMOUNT \$500,000**

**A Non-Purchasing Contract**

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This Contract shall be effective as of March \_\_, 2020 between the Oakland-Macomb Interceptor Drain Drainage District ("Drainage District"), a statutory public corporation created pursuant to Chapter 21 of the Drain Code of 1956 and Cortis Brothers Trucking & Excavating, Inc. (as further described in the following Table). In this Contract, either Attorney or the District may also be referred to individually as a "Party" or jointly as the "Parties".

<p>OAKLAND MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT By: Jim Nash, Oakland County Water Resources Commissioner</p> <p>1 Public Works Drive Waterford, MI 48328 (248) 858-0958 (herein, the "Drainage District")</p>	<p>Cortis Brothers Trucking &amp; Excavating, Inc. 6052 Starville Road Marine City, MI 48039 (810) 795-1426</p> <p>(herein the "Contractor")</p>
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This Contract is organized and divided into the following "Section" or "Sections" for the convenience of the Parties.

- SECTION 1. CONTRACT DOCUMENTS AND DEFINITIONS
- SECTION 2. CONTRACT EFFECTIVE DATE AND TERMINATION
- SECTION 3. SCOPE OF CONTRACTOR'S SERVICES
- SECTION 4. DRAINAGE DISTRICT PAYMENT OBLIGATION FOR CONTRACTOR'S SERVICES
- SECTION 5. CONTRACTOR ASSURANCES AND WARRANTIES
- SECTION 6. CONTRACTOR PROVIDED INS URANCE AND INDEMNIFICATION
- SECTION 7. GENERAL TERMS AND CONDITIONS

In consideration of the mutual promises, obligations, representations, and assurances in this Contract, the Parties agree to the following:

**§1. CONTRACT DOCUMENTS AND DEFINITIONS**

The following words and expressions when printed with the first letter capitalized as shown here in, whether used in the singular or plural, possessive or non-possessive, and/or either within or without quotation marks, shall be defined and interpreted as follows:

- 
- 1.1. "Drainage District" means a Michigan statutory public corporation, its boards committees and "Drainage District Agent" as defined below.
  - 1.2. "Drainage District Agent" means all elected and appointed officials, directors, board members, commissioners, Oakland and or Macomb County employees working on behalf of the drainage district. volunteers, representatives, and/or any such persons' successors (whether such person act or acted in their personal representative or official capacities), and/or any persons acting by, through, under, or in concert with any of them. "drainage district agent" shall also include any person who was a "drainage district agent" anytime during the term of this Contract but, for any reason, is no longer employed, appointed, or elected and serving as an Agent.
  - 1.3. "Contract Administrator" or "Drainage District Representative" means the individual by the Drainage District to act as a liaison between the Drainage District and the Contractor. Any questions or problems the Contractor may have concerning the work under this Contract should be directed to this individual.
  - 1.4. "Contract Documents" means the following documents which are included and fully incorporated into this Contract:
    - 1.4.1 Exhibit I: Contractor Insurance Requirements.
    - 1.4.2 Exhibit II: Scope of Contractor's Services.
    - 1.4.3 Exhibit III: Contractor Proposal dated XX
    - 1.4.4 Exhibit IV: Construction Drawings and Specifications. (If Applicable)
  - 1.5. "Contractor Employee" means without limitation, any employees, officers, directors, members, managers, trustees, volunteers, attorneys, and representatives of Contractor, and also includes any Contractor licensees , concessionaires, contractors, subcontractors, independent contractors, contractor's suppliers, subsidiaries, joint ventures or partners, and/or any such persons successors or predecessors, employees, (whether such persons act or acted in their personal, representative or official capacities ), and /or any and all persons acting by, through, under, or in concert with any of the above. "Contractor Employee" shall also include any person who was a Contractor Employee at anytime during the term of this contract but, for any reason is no longer employed, appointed, or elected in that capacity.
  - 1.6. Subcontractor" includes only those having a direct contact with the Contractor in the way of labor or materials worked to a special design. One who merely furnishes material to the Contractor is not included in this definition.
  - 1.7. "Claims" means any alleged losses, claims, complaints, demands for relief or damages, suits, causes of action, proceedings, judgments, deficiencies, liability, penalties, litigation, costs, and expenses, including, but not limited to, reimbursement for reasonable attorney fees, witness fees, court costs, investigation expenses, litigation expenses, amounts paid in settlement , and /or other amounts or liabilities of any kind which are imposed on, incurred by, or asserted against the Drainage District, or for which the Drainage District may become legally and /or contractually obligated to pay or defend against , whether direct , indirect or consequential, whether based upon any alleged violation of the federal or the state constitution, any federal or state statute, rule, regulation, or any alleged violation of federal or state common law, whether any such claims are brought in law or equity, tort, contract, or otherwise, and/or whether commenced or threatened.
  - 1.8. "Day" means any calendar day, which shall begin at 12:00:00 a.m. and end at 11:59:59 p.m.
  - 1.9. "Working Day" means any calendar day except Saturday, Sunday, and County legal holidays.
  - 1.10. " E-Verify" is an Internet based system operated by the Department of Homeland Security (DHS) in partnership with the Social Security Administration (SSA) that allows participating employers to electronically verify the employment eligibility of their new hired employees. For more information and to register visit <https://e-verify.uscis.gov/enroll/>.
-

- 1.11. "Written Notice" shall be considered properly served if delivered in person to the Contractor, or to a member or office of his company; also if delivered at, or sent by registered mail to, the last known business address of the Contractor.
- 1.12. "Intellectual Property" means any developments, improvements, designs, innovation, and materials that may be the subject of a trademark/service mark, copyright or patent, trade secrets or Proprietary Information.
- 1.13. "Proprietary Information" means ideas, concepts, inventions and processes related to the development and operation of computer software and systems such as source code, object code, security procedures and passwords.

**§2. CONTRACT EFFECTIVE DATE AND TERMINATION**

- 2.1. The effective date of this Contract shall be as stated on the first page of this Contract, and unless otherwise terminated or canceled as provided below, it shall end at 11:59:59 p.m. on the "Contract Expiration Date" shown on the first page of this Contract, at which time this Contract expires without any further act or notice of either Party being required. The Parties are under no obligation to renew or extend this Contract after Contract Expiration Date. Notwithstanding the above, under no circumstances shall this Contract be effective and binding and no payments to the Contractor shall be due or owing for any Contractor services until and unless:
  - 2.1.1. This Contract is signed by a Contractor Employee, legally authorized to bind the Contractor.
  - 2.1.2. Any and all Contractor Certificates of Insurance and any other conditions precedent to the Contract have been submitted and accepted by the Drainage District.
  - 2.1.3. This Contract is signed by the Water Resources Commissioner or his designee, as provided for on the signature page of this Contract, who shall be the final signatory to this Contract.
- 2.2. The Drainage District may terminate and/or cancel this Contract (or any part thereof) at any time during the term, any renewal, or any extension of this Contract, upon ninety (90) days written notice to the Contractor, for any reason, including convenience without incurring obligation or penalty of any kind. Notwithstanding the above, if the Drainage District is being reimbursed for any cost or expenses incurred under this Contract by any third party, including any Federal, State or local governmental agency, and any such third party funding is terminated, the Drainage District may terminate, end or cancel this Contract immediately upon written notice to the Contractor. The effective date for termination or cancellation shall be clearly stated in the written notice.
- 2.3. The Drainage District's sole obligation in the event of termination is for payment for actual services rendered by the Contractor before the effective date of termination. Under no circumstances shall the Drainage District be liable for any future loss of income, profits, any consequential damages or any loss of business opportunities, revenues, or any other economic benefit Contractor may have realized but for the termination and /or cancellation of this Contract. The Drainage District shall not be obligated to pay Contractor any cancellation or termination fee if this Contract is cancelled or terminated as provided herein.
- 2.4. Contractor may terminate and/or cancel this Contract (or any part thereof) at any time upon one hundred and eighty days (180) days written notice to the Drainage District, if the Drainage District defaults in any obligation contained herein, and within the one hundred and eighty days (180) notice period the Drainage District has failed or has not attempted to cure any such default. The effective date of termination and /or cancellation and the specific alleged default shall be clearly stated in the written notice.
- 2.5. Under no circumstances shall the Drainage District be obligated to pay the contractor for any Services rendered or Goods delivered which have not been invoiced, as required herein, within sixty (60) days of the date such Goods were actually delivered to the Drainage District or Services were actually rendered pursuant to this Contract.

### **3. SCOPE OF CONTRACTOR'S SERVICES**

- 3.1 The Contractor shall perform all work identified in Exhibit II: "Scope of Contractor's Services."
- 3.2 The work performed by Contractor shall be done in conformance with Exhibit III: Contractor Proposal dated XX
- 3.3 The work performed by Contractor shall be done pursuant to the Drawings and Specifications attached as Exhibit IV. (If Applicable).

### **4. DRAINAGE DISTRICT PAYMENT OBLIGATIONS FOR CONTRACTOR'S SERVICES**

- 4.1. Except as otherwise expressly provided for in this Contract , the Drainage District's sole financial obligation to the Contractor for any services under this Contract shall be:
  - 4.1.1. In no event, shall the Drainage District's amount due and owing the Contractor for any and all services rendered exceed the amount identified as the "NOT TO EXCEED AMOUNT" on the first page of this Contract. In the event the Contractor can reasonably foresee the total billings for its services will exceed this "NOT TO EXCEED AMOUNT", the Contractor shall provide the Drainage District with notice of this contingency at least fifteen (15) Days before this event.
  - 4.1.2 The Contractor shall submit an invoice to the Drainage District which shall itemize all amounts due and/or owing by the Drainage District under this Contract, as of the date of the invoice. The invoices shall be submitted in the form and schedule approved by the Drainage District. The Drainage District shall have no obligation to make payment until a proper invoice of service is submitted. The Drainage District reserves the right to make partial payments on account of the amount due the Contractor as the work progresses.
- 4.2. Method of Payment. Method of Payment as specified in Exhibit II Scope of Contractor's Services. Final payment for the work performed under this Contract shall not be made until all work is satisfactorily performed and final clean-up has been performed.
- 4.3. Under no circumstances shall the Drainage District be responsible for any cost, fee, fine, penalty, or direct indirect, special, incidental or consequential damages incurred or suffered by Contractor in connection with or resulting from the Contractor's providing any services under this Contract.
- 4.4. The Drainage District has the right to offset any amounts due and owing to the Contractor should the Drainage District incur any cost associated with this Contract that is the obligations of Contractor under this Contract. This includes withholding payment in the amount of any Drainage District provided equipment, supplies or identification badges (if applicable) that are not returned by Contractor upon completion of the services provided under this Contract.
- 4.5. This Contract does not authorize any in-kind services by either Party, unless expressly provided herein .
- 4.6. Change Order Process. Changes in the Contract, Contract price or Scope of Work shall only occur in writing via a "Contract Change Order". Contract Change Orders shall be used to reflect additions to, reductions in, or changes to the Scope of Work (Exhibit II), Construction Drawings and Specifications (Exhibit IV) (If Applicable), Contract price, or any other changes to the Contract. The Contract Change Order shall indicate the reason for the addition, reduction, change, the cost impact, the new total Contract price and the resulting impact on the work schedules.

### **5. CONTRACTOR'S ASSURANCES AND WARRANTIES**

- 5.1. The Contractor certifies that all statements, assurances, records, and materials submitted to Drainage District in connection with securing this Contract have been truthful, complete and accurate in all



respects. The Contractor agrees and understands that any material false statement, representation or omission made in connection with its seeking or obtaining this Contract may be grounds for canceling or terminating this Contract and/or debaring the Contractor from future Drainage District contracts. The Drainage District's right to cancel this Contract as provided herein shall be in addition to any other rights the Drainage District has to terminate or cancel this Contract.

- 5.2.** Service Warranty. Contractor warrants that all services performed hereunder will be performed in a manner that complies with all applicable laws, statutes, regulations, ordinances, and professional standards.
- 5.3.** Business and Professional Licenses. The Contractor will obtain and maintain at all times during the term of this Contract all applicable business and professional licenses necessary to provide the contracted services.
- 5.4.** Equipment and Supplies. The Contractor is responsible for providing equipment and supplies required to complete the specified services under the Contract unless otherwise expressly set forth in the Contract.
- 5.5.** Taxes. The Contractor shall pay, its own local, state and federal taxes, including without limitation, social security taxes, and unemployment compensation taxes. The Drainage District shall not be liable to or be required to reimburse the Contractor for any federal, state and local taxes or fees of any kind.
- 5.6.** Contractor's Incidental Expenses. Except as otherwise expressly provided in this Contract, the Contractor shall be solely responsible and liable for all costs and expenses incident to the performance of all services for the Drainage District including, but not limited to, any professional dues, association fees, license fees, fines, taxes, and penalties.
- 5.7.** E-Verify. In accordance with Miscellaneous Resolution No.09 1 I 6 (BOC Minutes, July 30, 2009, pp 37-38), unless otherwise exempted, all service contractors and /or vendors who wish to contract with the Drainage District to provide services must first certify they have registered with, will participate in, and continue utilize, once registered, the E-Verify Program (or any successor program implemented by the federal government or its departments or agencies) to verify the work authorization status of all newly hired employees employed by the contractors and/or vendors. Breach of this term or conditions is considered a material breach of this agreement.
- 5.8.** Contractor's/Vendor's execution of this agreement constitutes a certification that they are authorized to certify on behalf of contractor/vendor and do hereby certify on behalf of contractor/vendor that the contractor/vendor has registered with, has and will participate in, and does and will continue utilize once registered and throughout the term of this contract and any permissible extension hereof, the E-Verify Program (or any successor program implemented by the federal government or its departments or agencies) to verify the work authorization status of all newly hired employees employed by the contractors and/or vendors.
- 5.9.** Contractor Employees.
  - 5.9.1** The Contractor shall employ and assign qualified Contractor Employees as necessary and appropriate to provide the services under this Contract. Contractor shall ensure all Contractor Employees have all the necessary knowledge, skill, and qualifications necessary to perform the required services and possess any necessary licenses, permits, certificates, and governmental authorizations as may be required by law.
  - 5.9.2** The Contractor shall solely control, direct, and supervise all Contractor Employees with respect to all Contractor obligations under this Contract. The Contractor will be solely responsible for and fully liable for the conduct and supervision of any Contractor Employee.
  - 5.9.3** All Contractor Employees shall wear and display appropriate Drainage District provided identification at all times while working on Drainage District premises. The Contractor shall return all Drainage District provided identification when any of the following situations occur: (1) Upon completion of the last day of work provided under this Contract; (2) when a Contractor Employee has completed the work under this Contract; or (3) when a Contractor Employee no longer works for Contractor.
  - 5.9.4** All Contractor Employees assigned to work under this Contract may, at the Drainage District's discretion, be subject to a security check and clearance by the Drainage District.

**5.9.5** All newly hired Contractor Employees, unless otherwise excluded under Misc. Resolution No. 09116 must undergo employment eligibility verification through the E-Verify system. Failure of to verify newly hired employees is a material breach of this agreement.

- 5.10.** Contractor Employee-Related Expenses. All Contractor Employees shall be employed at the Contractor's sole expense (including employment-related taxes and insurance) and the Contractor warrants that all Contractor Employees shall fully comply with and adheres to all of the terms of this Contract. The Contractor shall be solely and completely liable for any and all applicable Contractor Employee's federal, state, or local payment withholdings or contributions and /or any and all Contractor Employee related pension or welfare benefits plan contribution under federal or state law. The Contractor shall indemnify and hold the Drainage District harmless for all Claims against the Drainage District by any Contractor Employee, arising out of any contract for hire or employer-employee relationship between the Contractor and any Contractor Employee, including, but not limited to, Worker's Compensation, disability pay or other insurance of any kind.
- 5.11.** Full Knowledge of Service Expectations and Attendant Circumstances. The Contractor warrants that before submitting its bid and entering into this Contract, it had a full opportunity to review the proposed services, examine all measurements, dimensions, and existing conditions of the work area for this Contract and to review all Drainage District requirements and expectations under this Contract. The Contractor is responsible for being adequately and properly prepared to execute and perform this Contract. The Contractor has satisfied itself in all material respects that it will be able to perform all obligations under the Contract as specified herein.
- 5.12.** The Contractor's Relationship To The Drainage District Is That Of An Independent Contractor. Nothing in this Contract is intended to establish an employer-employee relationship between the Drainage District and either the Contractor or any Contractor Employee. All Contractor Employees assigned to provide services under this Contract by the Contractor shall, in all cases, be deemed employees of the Contractor and not employees, agents or sub-contractors of the Drainage District.

## **6. CONTRACTOR PROVIDED INSURANCE AND INDEMNIFICATION**

- 6.1.** Indemnification. The Contractor shall indemnify and hold the Drain age District harmless from any and all Claims which are incurred by or asserted against the Drainage District by any person or entity, alleged to have been caused or found to arise, from the acts, performances, errors, or omissions of the Contractor or Contractor' s Employees, including, without limitation, all Claims relating to injury or death of any person or damage to any property.
- 6.1.1** The indemnification rights contained in this Contract are in excess and over and above any valid and collectible insurance rights/policies. During the term of this Contract, if the validity or collectability of the Contractor's insurance is disputed by the insurance company, the Contractor shall indemnify the Drainage District for all claims asserted against the Drainage District and if the insurance company prevails, the Contractor shall indemnify the Drainage District for uncollectible accounts.
- 6.1.2** The Contractor shall have no rights against the Drainage District for any indemnification (e.g., contractual, equitable, or by implication), contribution, subrogation, and /or any other right to be reimbursed by the Drainage District except as expressly provided herein.
- 6.1.3** The Contractor waives and releases all actions, liabilities, loss and damage including any subrogated rights it may have against the Drainage District based upon any Claim brought against the Drainage District suffered by a Contractor Employee.
- 6.2.** Contractor Provided Insurance.

- 6.2.1** At all times during this Contract, including renewals or extensions, Contractor shall obtain and maintain insurance according to the specifications indicated in Exhibit I: Contractor Insurance Requirements.

## **7. GENERAL TERMS AND CONDITIONS**

### **7.1. Notification and Access to Drainage District Facilities.**

- 7.1.1** While the Contractor retains the right to perform work at any time, the Contractor shall give the Drainage District three (3) working days notice before commencement of work under this Contract and the Contractor must obtain prior permission from the Drainage District for access to Drainage District facilities after the Drainage District's regular business hours.

- 7.1.2** The Drainage District shall have full access to the work site and full access to the off-site preparation and fabrication facilities.

### **7.2. Use of Drainage District's Premises. The Contractor shall confine its equipment, apparatus, materials and products and operations of Contractor Employees to the limits indicated by law, ordinances, permits or directions of the Drainage District and shall not unnecessarily encumber the work site and Drainage District premises with its materials, products, or equipment.**

### **7.3. Damage to Drainage District Property and Premises.**

- 7.3.1** The Contractor shall be responsible for any damage to the Drainage District premises or property and the work site that is caused by the Contractor or Contractor Employees.

- 7.3.2** The Contractor shall take all necessary measures to prevent damage to Drainage District property and premises including other areas of the building and grounds and buildings and grounds located adjacent to the work site.

- 7.3.3** Should damage occur as a result of the Contractor's actions or the actions of the Contractor Employees, the Contractor is responsible for the repair and/or replacement of the damage. If the Contractor fails to repair or replace the damage, the Drainage District shall repair and/or replace the damaged area and charge the Contractor or deduct the amount from the Contractor's payment, at the Drainage District's option.

### **7.4. Cleaning.**

- 7.4.1** The Contractor shall at all times keep the work site, the Drainage District's property and premises, the adjoining property and premises, driveways, and streets clean of rubbish and debris. At the completion of this Contract, Contractor shall remove all rubbish, debris, tools, equipment, temporary work and surplus materials from and about the work site and shall leave the work site clean and ready for use. If the Contractor does not perform such cleaning immediately upon request, the Drainage District may perform such cleaning and charge the cost to the Contractor.

- 7.4.2** While performing work under this Contract, the Contractor shall store its materials, products, supplies, and equipment in a neat and orderly manner so as not to unduly interfere with the progress of work under this Contract or the operation of Drainage District business.

- 7.4.3** The Contractor shall clean-up the work site on a daily basis to remove rubbish and debris from that day's work.

- 7.4.4** The Contractor shall remove all rubbish and debris from Drainage District property and premise and legally dispose of it. No burning of debris or rubbish shall be permitted.

**7.5. Materials, Equipment and Construction.**

- 7.5.1** Prior to commencing work under this Contract, the Contractor shall verify all measurements and conditions at the work site and shall be responsible for the accuracy of such measurements and conditions. No extras shall be paid due to differences between actual dimensions taken by the Contractor and those indicated in the Drawings and Specifications. The Contractor shall immediately notify the Drainage District of any discrepancies discovered.
- 7.5.2** All work performed under this Contract shall conform to the best current practice at the respective trades. All equipment, materials and products used in the work under this Contract shall be new and of the best grade of its kind for the purpose. The Contractor shall furnish evidence as to kind and quality of materials and products, upon request of the Drainage District.
- 7.5.3** The Contractor shall deliver all materials and products to the work site in their original unopened containers bearing the names of the manufacturer and brand. Materials and products shall be handled and stored as recommended by the manufacturer to prevent damage.
- 7.5.4** The Contractor shall retain all stored items at and around the work site in an orderly manner allowing maximum access to the work site, not impeding drainage or traffic, and providing the required protection of materials and products.
- 7.5.5** The Contractor shall confine his equipment, apparatus, the storage of materials and operations of his employees to the limits indicated by law, ordinances, permits or directions of the Drainage District and shall not unnecessarily encumber the premises with his materials or equipment.
- 7.5.6** In general, it is the intent of these Specifications to permit the use of equipment of any manufacture so long as they are fully consistent, in the opinion of the Drainage District, with the quality and performance requirements of the job. This is indicated by the use of the words "or approved equal" following specific trade name or manufacture.
- 7.5.7** When the Contractor wishes to use a product as an approved equal, he must seek prior approval of the Drainage District Representative.
- 7.5.8** Should the Contractor use sub-standard or non-specified materials or products, such materials or products shall be removed and replaced with the proper or correct materials or products at Contractor's expense.
- 7.5.9** Within twenty-four (24) hours after receiving written notice from the Drainage District, the Contractor shall remove from the grounds or buildings all material, products, fixtures or apparatus that do not conform to the Drawings and Specifications as set forth in Exhibit IV (If Applicable) or the conditions of the Contract as determined by the Drainage District.
- 7.5.10** The Drainage District shall have the right to order the work wholly or partially stopped until the objectionable work, materials, products, fixtures or apparatus are removed or to declare the Contract forfeited for non-performance or not being executed according to the intent or meaning of the Drawings and Specifications, set forth in Exhibit IV. (If Applicable)

- 7.5.11** Contractors working for Drainage District are responsible for being adequately and properly prepared to execute the Contract. They are expected to maintain high standards or workmanship, representing the best traditions of the trade.
- 7.5.12** In the event the Contractor shall fail, neglect, or refuse to perform any or all of his duties under this Contract, the Drainage District, after giving the Contractor seven (7) calendar days notice in writing, may perform or employ another entity to perform such duties under the Contract and charge the Contractor or deduct the amount from the Contractor's payment due under this Contract, at the Drainage District's option.
- 7.5.13** All materials, products and work used in the performance of this Contract shall comply with all applicable federal, state and local codes.
- 7.6.** Safety. As stated in Exhibit II
- 7.7.** Guarantees. As stated in Exhibit II
- 7.8.** Bonding Requirements. As stated in Exhibit II
- 7.9.** Liens. As stated in Exhibit II
- 7.10.** Cumulative Remedies. A Party's exercise of any remedy shall not preclude the exercise of any other remedies, all of which shall be cumulative. A Party shall have the right, in its sole discretion, to determine which remedies are to be exercised and in which order.
- 7.11.** Survival of Terms and Conditions. The following terms and conditions shall survive and continue in full force beyond the termination and/or cancellation of this Contract (or any part thereof) until the terms and conditions are fully satisfied or expire by their very nature:
- 7.11.1** "CONTRACTOR'S ASSURANCES AND WARRANTIES";
  - 7.11.2** "CONTRACTOR PROVIDED INSURANCE AND INDEMNIFICATION";
  - 7.11.3** "Damage Clean Up To Drainage District Property and/or Premises";
  - 7.11.4** "Audit";
  - 7.11.5** "Severability";
  - 7.11.6** "Governing Law /Consent To Jurisdiction And Venue"; and
  - 7.11.7** "Survival of Terms And Conditions".
- 7.12.** Drainage District Right to Suspend Services. Upon written notice, the Drainage District may suspend performance of this Contract if Contractor has failed to comply with federal, state, or local laws, or any requirements contained in this Contract. The right to suspend services is in addition to the Drainage District's right to terminate and/or cancel this Contract. The Drainage District shall incur no penalty, expense, or liability to Contractor if the Drainage District suspends services under this Section.
- 7.13.** No Third Party Beneficiaries. Except as provided for the benefit of the Parties or except as specifically set forth in the Contract, this Contract does not and is not intended to create any obligation, duty, promise, contractual right or benefit, right to be indemnified, right to be subrogated to the Parties' rights in this Contract, and /or any other right, in favor of any other person or entity.
- 7.14.** Compliance with Laws. Contractor shall comply with all federal, state, and local laws, statutes, ordinances, regulations, insurance policy requirements, and requirements applicable to its activities under this Contract, including zoning and building codes and MIOSHA guidelines.
- 7.15.** Permits and Licenses. Contractor shall be responsible for obtaining and maintaining throughout the term of this Contract all licenses, permits, certificates, and governmental authorizations necessary to perform all of its obligations under this Contract and to conduct business under this Contract. Upon request by the Drainage District, Contractor shall furnish

copies of any permit, license, certificate or governmental authorizations necessary to provide services under this Contract. The Contractor shall deliver all certificates of inspection to the Drainage District, if applicable.

**7.15.1** The Drainage District Representative or Contract Administrator shall act as inspector for this project.

**7.15.2** The inspector shall have access to the Work under this Contract. Off-site preparation, fabrication, or execution of Work under this Contract shall be inspected as required.

**7.16.** Discrimination. Contractor shall not discriminate against any employee or applicant for employment because of sex, race, religion, color, national origin, or handicap in violation of State and Federal law.

**7.16.1** Contractor shall promptly notify the Drainage District of any complaint or charge filed and/or determination by any Court or administrative agency of illegal discrimination by Contractor.

**7.16.2** The Drainage District, in its discretion, may consider any illegal discrimination described above as a breach of this Contract and may terminate or cancel this Contract immediately with notice.

**7.17.** Reservation of Rights. This Contract does not, and is not intended to impair, divest, delegate, or contravene any constitutional, statutory, and /or other legal right, privilege, power, obligation, duty, or immunity of the Drainage District.

**7.18.** Force Majeure. Notwithstanding any other term or provision of this Contract, neither Party shall be liable to the other for any failure of performance hereunder if such failure is due to any cause beyond the reasonable control of that Party and that Party cannot reasonably accommodate or mitigate the effects of any such cause. Such cause shall include, without limitation, acts of God, fire, explosion, vandalism, any law, order, regulation, direction, action, or request of the United States government or of any other government, national emergencies, insurrections, riots, wars, strikes, lockouts, work stoppages, or other labor difficulties. Reasonable notice shall be given to the affected Party of any such event. The Contractor is expected, through insurance or alternative temporary or emergency service arrangements, to continue its obligations under this contract in the event of a reasonably anticipated, insurable business risk such as business interruption and/or any insurable casualty or loss.

**7.19.** Conflict of Interest. Pursuant to Public Act 317 and 318 of 1968, as amended (MCL 15.321, et seq.), no contracts shall be entered into between the Drainage District, including all agencies and departments thereof, and any Drainage District Agent. To avoid any real or perceived conflict of interest, Contractor shall identify any Contractor Employee or relative of Contractor's Employees who are presently employed by the Drainage District. Contractor shall give the Drainage District notice if there are any Drainage District Agents or relatives of Drainage District Agents who are presently employed by Contractor.

**7.20.** Grant Compliance. If any part of this Contract is supported or paid for with any state or federal funds granted to the Drainage District, the Contractor shall comply with all applicable grant requirements.

**7.21.** Project Managers. Each Party shall designate an employee or agent to act as a Project Manager. The Project Managers shall serve as a contact point for all matters related to the services to be performed under this Contract. The Contractor's Project Manager shall coordinate with the Drainage District's Project Manager; the Contractor shall provide the name and qualifications

of its Project Manager and an alternate.

**7.22.** Contract Administrator. Each Party may designate an employee or agent to act as Contract Administrator. The Drainage District's Contract Administrator shall be responsible for such activities as monitoring deliverables and funding, addressing the quality of services provided by the Contractor, reviewing invoices and submitting requests to the Drainage District's procurement authority for any contract modification in accordance with Sections 7.32 of this Contract.

**7.23.** Dispute Resolution. All disputes arising under or relating to the execution, interpretation, performance, or nonperformance of this Contract involving or affecting the Parties may first be submitted to the respective Project Managers and Contract Administrators for possible resolution. The Project Managers and Contract Administrators may promptly meet and confer in an effort to resolve such dispute. If the Project Managers cannot resolve the dispute in five (5) business days, the dispute may be submitted to the signatories of this Contract or their successors in office. The signatories of this Contract may meet promptly and confer in an effort to resolve such dispute.

**7.24.** Access and Records. Contractor will maintain accurate books and records in connection with the services provided under this Contract for thirty-six (36) months after end of this Contract, and provide the Drainage District with reasonable access to such book and records.

**7.25.** Audit. Contractor shall allow the Oakland County's Auditing Division, or an independent auditor hired by the Drainage District, to perform finance compliance audits with the authority to access all pertinent records and interview any Contractor Employee throughout the term of this Contract, and for a period of three years after final payment.

**7.25.1** Contractor shall explain any audit finding, questionable costs, or other Contract compliance deficiencies to the Drainage District within thirty (30) business days of receiving the draft audit report. Contractor's written response shall include all necessary documents and information that refute the draft audit report, and an action plan to resolve the audit findings. A copy of the Contractor's response will be included in the final report. Failure by the Contractor to respond in writing within thirty (30) business days shall be deemed acceptance of the draft audit report, and will be noted in the final report.

**7.26.** Delegation /Subcontract/Assignment.

**7.26.1** The Contractor shall not assign, delegate, or subcontract any part of this Contract without the prior written consent of the Drainage District.

**7.26.2** The rights and obligations under this Contract shall not be diminished in any manner by assignment, delegation or subcontract.

**7.26.3** Any assignment, delegation, or subcontract by Contractor must include a requirement that the assignee, delegee, or subcontractor will comply with the rights and obligations contained in this Contract.

**7.26.4** The Contractor shall remain primarily liable for all work performed by any subcontractors. The Contractor shall remain liable to the Drainage District for any obligations under the Contract not completely performed or incorrectly performed by any Contractor delegee or subcontractor.

**7.26.5** The Contractor shall be fully responsible to the Drainage District for the acts and omissions of its subcontractors.

**7.26.6** Should a subcontractor fail to provide the work as required by the Contract, the Contractor shall contract with another entity to perform the work in a timely manner. Any additional costs associated with securing a competent subcontractor and performing the required work shall be the sole responsibility of the Contractor.

- 7.26.7** The Drainage District reserves the right to let other contracts in connection with this Work even if of like character to the Work under this Contract. The Contractor shall coordinate his work with theirs.
- 7.26.8** If any part of the Contractor's services depends upon the work of any other contractor or subcontractor, the Contractor shall inspect and promptly report to the Drainage District any defects in such work that shall render it unsuitable. The failure to inspect and report shall constitute an acceptance of the other contractor's or subcontractor's services.
- 7.26.9** This Contract cannot be sold.
- 7.26.10** In the event that a Petition in Bankruptcy is filed and there is an assignment of this Contract by a Court, the Drainage District may declare this Contract null and void.
- 7.27.** Non Exclusive Contract. No provision in this Contract limits, or is intended to limit, in any way the Contractor's right to offer and provide its services to the general public, other business entities, municipalities, or governmental agencies during or after the term of this Contract. Similarly, this Contract is a non-exclusive agreement and the Drainage District may freely engage other persons to perform the same work that the Contractor performs. Except as provided in this Contract, this Contract shall not be construed to guarantee the Contractor or any Contractor Employee any number of fixed or certain number or quantity of hours or services to be rendered to the Drainage District.
- 7.28.** No Implied Waiver. Absent a written waiver, no act, failure, or delay by a Party to pursue or enforce any right or remedy under this Contract shall constitute a waiver of those rights with regard to any existing or subsequent breach of this Contract. No waiver of any term, condition, or provision of this Contract, whether by conduct or otherwise, in one or more instances, shall be deemed or construed as a continuing waiver of any term, condition, or provision of this Contract. No waiver by either Party shall subsequently affect its right to require strict performance of this Contract.
- 7.29.** Severability. If a court of competent jurisdiction finds a term, condition, or provision of this Contract to be illegal or invalid, then the term, condition, or provision shall be deemed severed from this Contract. All other terms, conditions, and provisions of this Contract shall remain in full force and effect. Notwithstanding the above, if Contractor's promise to indemnify or hold the Drainage District harmless is found illegal or invalid, Contractor shall contribute the maximum it is permitted to pay by law toward the payment and satisfaction of any Claims against the Drainage District.
- 7.30.** Captions. The section and subsection numbers, captions, and any index to such sections and subsections contained in this Contract are intended for the convenience of the reader and are not intended to have any substantive meaning and shall not be interpreted to limit or modify any substantive provisions of this contract. Any use of the singular or plural number, any reference to the male, female, or neuter genders, and any possessive or nonpossessive use in this contract shall be deemed the appropriate plurality, gender or possession as the context requires.
- 7.31.** Notices. Notices given under this Contract shall be in writing and shall either be personally delivered, sent by express delivery service, certified mail, or first class U.S. mail postage prepaid, and addressed to the person listed below. Notice will be deemed given when one of the following occur: (1) the date of actual receipt; (2) the next business day when notice is sent express delivery service or personal delivery ; or (3) three days after mailing first class or certified U.S. mail.
- 7.31.1** If notice is sent to the Contractor, it shall be addressed to the individual and sent to the address listed on the first page of this Contract.
- 7.31.2** If notice is sent to the Drainage District, it shall be addressed to the Contract



Administrator and sent to the address listed on the first page of this Contract.

**7.31.3** Either Party may change the address or individual to which notice is sent by notifying the other party in writing of the change.

**7.32.** Contract Modifications or Amendments. Any modifications, amendments, revisions, waivers, or releases to this Contract must be in writing and agreed to by both Parties. Unless otherwise agreed, the modification, amendment, revision, waiver, or release shall be signed by an expressly authorized Contractor Employee and by the same person who signed the Contract for the Drainage District or other Drainage District Agent as authorized by the OMIDDD Drainage Board.

**7.33.** Precedence of Documents. In the event of a conflict between the terms and conditions in any of the documents comprising this Contract, the conflict shall be resolved as follows:

**7.33.1** The terms and conditions contained in this main Contract document shall prevail and take precedence over any allegedly conflicting provisions in all other Exhibits and documents.

**7.34.** Governing Laws/Consent to Jurisdiction and Venue. This Contract shall be governed, interpreted, and enforced by the laws of the State of Michigan. Except as otherwise required by law or court rule, any action brought to enforce, interpret, or decide any Claim arising under or related to this Contract shall be brought in the Sixth Judicial Circuit Court of the State of Michigan, the 50th District Court of the State of Michigan, or the United States District Court for the Eastern District of Michigan, Southern Division, as dictated by the applicable jurisdiction of the court. Except as otherwise required by law or court rule, venue is proper in the courts set forth above. The choice of forum set forth above shall not be deemed to preclude the enforcement of any judgment obtained in such forum or taking action under this Contract to enforce such judgment in any appropriate jurisdiction.

**7.35.** Contractor Use of Confidential Information. The Contractor and/or Contractor Employees shall not reproduce, provide, disclose, or give access to Confidential Information to any third party, or to any Contractor Employee not having a legitimate need to know any such information and data, and shall not use the Confidential Information for any purpose other than performing its services under this Contract. Notwithstanding the foregoing, Contractor may disclose the Confidential Information if required by law, statute or other legal process; provided that Contractor (i) gives Drainage District prompt written notice of an impending disclosure, (ii) provides reasonable assistance to Drainage District in opposing or limiting the disclosure, and (iii) makes only such disclosure as is compelled or required.

**7.35.1.** This Contract imposes no obligation upon Contractor with respect to any Confidential Information which Contractor can establish by legally sufficient evidence: (i) was in the possession of, or was known by Contractor, prior to its receipt from the Drainage District, without an obligation to maintain its confidentiality; or (ii) is obtained by Contractor from a third party having the right to disclose it, without an obligation to keep such information confidential.

**7.35.2.** As used in this Contract, Confidential Information means all information that the Drainage District is required or permitted by law to keep confidential.

**7.36.** Contractor Use of Drainage District Licensed Software. In order for the Contractor to perform its services under this Contract, the Drainage District may permit Contractor or Contractor Employees to access certain copyrighted Software licensed to the Drainage District. Contractor or Contractor Employees shall not: transfer, remove, use, copy, or otherwise provide or make available any such copyrighted Software or Documentation to any other person or entity, for any purpose, without the prior written consent of the Drainage District and /or the licensor. Furthermore, neither the Contractor nor Contractor Employee shall produce a source listing, decompile, disassemble, or otherwise reverse engineer any copyrighted Software. Neither the

Contractor nor Contractor Employee shall use any copyrighted software contrary to the provisions of any applicable Software license agreement or state or federal law.

**7.37. Assignment of Rights.** In consideration for the work Contractor performs under this Contract, and the fees paid to Contractor for services, Contractor agrees to the following:

**7.37.1.** Contractor shall have no copyright, patent, trademark or trade secret rights in Drainage District Intellectual Property.

**7.37.2.** Any and all programs, inventions and other work or authorship developed by Contractor while performing services to Drainage District are works made for hire, created for and owned exclusively by Drainage District.

**7.37.3.** Contractor assigns to Drainage District all rights and interest in Drainage District Intellectual Property, which Contractor has made or conceived, or may make and conceive, either solely or jointly with others, either on or off Drainage District premises (1) while providing services to Drainage District, or (2) with the use of the time, materials or facilities of the Drainage District.

**7.37.4.** Contractor shall sign any papers necessary for patents, copyrights or trademark registrations to give title to Drainage District.

**7.38. Confidential Information.** Contractor acknowledges:

**7.38.1** That the Drainage District is developing and using Proprietary Information, and Intellectual Property that is valuable to its operations. The Drainage District has instituted policies and procedures to protect this information. In performance of its obligations under this Contract, Contractor may become acquainted with Drainage District Proprietary Information and Intellectual Property.

**7.38.2.** Either during or after the term of this Contract Contractor shall not disclose to anyone or use any Drainage District Proprietary Information and Intellectual Property disclosed to Contractor while providing services to Drainage District under this Contract. This obligation does not apply to information after it becomes generally known to the public.

**7.38.3.** Contractor shall not disclose any Intellectual Property belonging to a third party that Contractor learns about by virtue of providing services to the Drainage District.

**7.39. Entire Contract.** This Contract represents the entire Contract and understanding between the Parties. This Contract supersedes all other prior oral or written understandings, communications, agreements or Contracts between the parties. The language of this Contract shall be construed as a whole according to its fair meaning, and not construed strictly for or against any Party.

The undersigned executes this Contract on behalf of Contractor and the Drainage District, and by doing so legally obligates and binds Contractor and the Drainage District to the terms and conditions of this Contract.

**FOR THE CONTRACTOR:**

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

\_\_\_\_\_ appeared in person before me this day and executed this Contract on behalf of Contractor and acknowledged to me under oath that they have taken all actions and secured any and all necessary approvals and authorizations and has the requisite authority from Contractor to fully and completely obligate and bind Contractor to the terms and conditions of this Contract and any and all other documents incorporated by reference and also acknowledged to me under oath having been provided with copies and having read and reviewed all Contract documents including all documents incorporated by reference.

Subscribe and sworn to before me on this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

\_\_\_\_\_  
Notary Public, State of \_\_\_\_\_

\_\_\_\_\_ County

My Commission Expires: \_\_\_\_\_

Acting in the County of \_\_\_\_\_

**FOR THE DRAINAGE DISTRICT:**

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

Jim Nash, Oakland County Water Resources Commissioner  
On behalf of the Oakland Macomb Interceptor Drain Drainage District.

**APPROVED AS TO SCOPE OF CONTRACTOR SERVICES:**

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

**EXHIBIT I**

**CONTRACTOR INSURANCE REQUIREMENTS**

1. At all times during this Contract, including renewals or extensions, Contractor shall obtain and maintain insurance according to the following specifications as commercially available:

a. Commercial General Liability - with the following as minimum requirements:

**\$2,000,000 - Each Occurrence (Total Limit)**

Occurrence Form Policy Broad

Form Property Damage

Premises /Operations

Independent Contractors

Products and Completed Operations

(Blanket) Broad Form Contractual

Personal Injury - Delete Contractual Exclusion

Additional Insured: The OMIDDD, the County of Oakland, the County of Macomb and drainage district Agents (as defined in this Contract);

b. Workers' Compensation - as required by law and \$1,000,000 Employer's Liability;

c. Automobile Liability and Property Damage - \$1,000,000 each occurrence, including coverage for all owned, hired and non-owned vehicles including No Fault coverage as required by law;

d. Contractor's Pollution Liability Insurance (CPL)- with \$1,000,000 each occurrence, \$2,000,000 aggregate limits.

e. Provide any other insurance necessary to cover business and/or professional licenses and associated services.

f. Excess or Umbrella Liability – Provide an umbrella policy having a \$2,000,000 total limit. The Contractor is granted the option of arranging coverage under a single policy for the full limit required or by a combination of underlying policies with the balance provided by an Excess or Umbrella Liability policy equal to the total limit(s) requested. Umbrella or Excess policy wording shall be at least as broad as the primary or underlying policy(ies) and shall apply both to the Contractor's general liability and to its automobile liability insurance.

2. General Certificates of Insurance:

a. All Certificates of Insurance shall contain evidence of the following conditions and/or clauses and shall be sent to: Oakland County Water Resources Commissioner- Insurance Administrator at 1 Public Works Drive, Waterford, MI 48328.

b. The Oakland-Macomb Interceptor Drain Drainage District, County of Oakland , County of Macomb and Drainage District Agents, Great Lakes Water Authority, City of Detroit and their

Agents (as defined in this Contract) shall be named as "General Liability" Additional Insured with respect to work performed by the Contractor.

- c. All Certificates are to provide 30 days written notice of material change, cancellation, or non-renewal. Certificates of Insurance or insurance binders must be provided no less than ten (10) working days before commencement of work to the Oakland County Water Resources Commissioner - Insurance Administrator. Insurance carriers are subject to the approval of Water Resources Commissioner's Insurance Administrator.

**EXHIBIT II**  
**SCOPE OF CONTRACTOR'S SERVICES**

**I. Scope of services**

A. The OMIDDD is responsible for maintaining numerous buried water supply, storm drain and sanitary sewer piping, manholes, valves and other appurtenances both on the Oakland-Macomb Interceptor Drain throughout Macomb County, at the Northeast Sewage Pumping Station (NESPS) with address 11001 East State Fair Detroit, MI 48234, and in the North-Interceptor-East Arm (NI-EA) which is downstream of the NESPS, ultimately terminating at Mt. Elliott and Gratiot in Detroit, MI. The Contractor is to provide labor, equipment and material to perform the following as-needed tasks as it pertains to this infrastructure:

- a. In-shop and on-site material/equipment/infrastructure repair, installation, and removal services as directed and on an as-needed basis, including emergencies. A 24-hr, 7-day on-call contact number is to be provided for emergencies. Response is required within 2 hours.
- b. For As-Needed services, OMIDDD may request proposals for construction, maintenance, and repair services to be performed on a time and material not to exceed or unit price basis. Cost estimating shall be considered incidental.
- c. The contractor shall furnish all required labor, equipment, materials, supplies, and other incidentals and perform all work in accordance with Oakland County Water Resources (WRC) Standards and Specifications, OMIDDD specifications and other applicable local standards based on jurisdiction as applicable. No payment will be made for items such as work gloves, boots, safety glasses and other personal protective equipment. WRC standards and specifications that apply to this work can be found at the following internet link:

[http://www.oakgov.com/water/Pages/standards\\_specs.aspx](http://www.oakgov.com/water/Pages/standards_specs.aspx)

- i. Contractor is responsible for making themselves familiar with WRC standards and specifications as they apply on a project-by-project basis.
- d. The types of projects that the contractor may be required to complete under this contract may include but are not necessarily limited to the following:
  - i. Underground sewer and underground drain pipe excavation, construction, replacement, repairs, demolition, abandonment, maintenance, etc. including hauling, disposal, dewatering, bypass pumping, restoration, traffic control, soil and erosion control, and other work associated with the project including development of costs estimates and schedules for each project and attendance at meetings. Pipe materials for these projects will vary, and pipe sizes will vary between 6-inch to 144-inch diameter. Pipes may be up to 50 feet deep.
  - ii. Construction, excavation, replacement, repairs, demolition, abandonment, maintenance, etc. of catch basins, manholes, and other structures including hauling, disposal, dewatering, bypass pumping, restoration, traffic control, soil and erosion control, and other work associated with the project including development of costs estimates and schedules for each project and attendance at meetings.



- iii. Open drain construction, repair, grading, filling, maintenance, etc. including hauling, disposal, diversion, bypassing, restoration, traffic control, soil and erosion control, and other work associated with the project including development of costs estimates and attendance at meetings. Open ditch sizes vary, and work may be in an open stream.
- iv. Miscellaneous minor repair work at the NESPS, or along the OMIDDD system not generally conforming to a specific trade.
- v. Cost estimating and meeting attendance shall be considered incidental to the project.
- e. Hours of work will vary by project.
- f. All work shall be coordinated as directed through the OMIDDD Project Manager or OMIDDD onsite representative.
- g. The OMIDDD will be responsible for obtaining permits from the Michigan Department of Environmental Quality (MDEQ) when required.
- h. The contractor shall obtain any other permits for each project including soil and erosion control permits from the governing authority.
- i. For projects conducted within Michigan Department of Transportation (MDOT) or Road Commission for Oakland County (RCOC) rights of way, the contractor may use the annual construction permits that the WRC holds with the MDOT and RCOC depending upon the scope of the specific project. Use of these permits must be authorized by the OMIDDD on a project-by-project basis.
- j. Contractor shall schedule the required inspections for the work performed.
- k. The OMIDDD shall manage each project, provide inspection services, and coordinate with the local city, village, or township; however, the contractor shall provide this coordination when directed to do so by the OMIDDD.
- l. Contractor shall provide separate performance bonds, labor and material bonds, and maintenance and guarantee bonds when requested for specific projects.
- m. The contractor may employ subcontractors depending on the requirements of the project and if deemed necessary by the contractor for items such as traffic control, dewatering, bypassing, and other services the contractor cannot provide on its own.
  - i. When subcontractors are employed, the contractor shall provide the name of the subcontractor and contact information to the WRC prior to beginning the work.

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- ii. The WRC reserves the right to request information related to the experience qualifications of the subcontractor for the portion of the work they will perform and to bar subcontractors from performing the work on a project-by-project basis.

### II. Method of Payment:

- A. It is understood that the method of payment by the Drainage District to the Contractor shall be on a time and material basis not to exceed the lump sum and rates as indicated in the Proposal dated XX shown in Exhibit III.
  1. "COST" for services provided by Contractor and as further defined below shall be the actual and necessary costs incurred by the Contractor for:
    - (a) labor
    - (b) materials
    - (c) equipment rental
    - (d) insurance premiums
  2. Time worked and materials placed in the field must be verified by the Drainage District's on site inspector's daily reports. Labor costs shall be the rates identified in the proposal in Exhibit III.
- C. Materials cost shall be the net price paid for material delivered to the site of the work. If any material previously required is omitted by the written order of the Drainage District after it has been delivered to or partially worked on by the Contractor and consequently will not remain its full value for other uses, the Contractor shall be allowed the actual cost of the omitted material less a fair market value of the material as determined by the Drainage District.
- D. Equipment rental shall be the actual additional costs incurred for necessary equipment. Costs shall not be allowed in excess of usual rentals charged in the area for similar equipment of like size and condition; including the costs of necessary supplies and repairs for operating the equipment. No costs, however, shall be allowed for the use of equipment on the site in connection with other work. If equipment not on the site is required for the change in the work only, the cost of transporting such equipment to and from the site shall be allowed.
  1. The rental rate established for each piece of Contractor owned equipment, including appurtenances and attachments to equipment used, will be determined by use of the Rental Rate Blue Book for Construction Equipment Volume I, 2, or 3, as applicable; the edition which is current at the time the work was started will apply. The established hourly rental rate will be equal to the "Monthly" rate divided by 176, modified by the applicable rate adjustment factor and the map adjustment factor, plus the "Estimated Operating Costs per Hour".
  2. For equipment not listed in the Rental Blue Book, Volume 1, 2, or 3, the rental rate will be determined by using the rate listed for a similar piece of equipment or by proportioning a rate listed so that the capacity, size, horsepower, and age are properly considered.
  3. In the event that machinery and equipment actually on the project site is idled for reasons beyond the control of the Contractor, the rental rate for Contractor owned equipment will be the "Monthly" rate divided by 176, modified by the applicable rate adjustment factor and the map adjustment factor, and then multiplied by 50 percent. No payment will be allowed for operating costs. This section applies only to machinery and equipment necessary for performance of the work in question.



## **CONTRACT xxxx**

- E. Insurance premiums shall be limited to those based on labor payroll and to the types of insurance required by the Contract. The amount allowed shall be limited to the net costs incurred as determined from the labor payroll covering the work. The Contractor shall, upon request of the Drainage District, submit verification of the applicable insurance rates and premium computations.
- F. The Contractor will be allowed to invoice for substantiated direct costs of the additional insurance coverages and limits required herein. No markup will be allowed on the invoice.
- G. Payment will be made within 60 days of invoice. Invoices must be submitted at least 14 days in advance of an upcoming OMIDDD Board meeting to be eligible for payment approval at the meeting. OMIDDD reserves the right to withhold retainage in compliance with MCL 125.1563. The provisions of that statute shall govern over any provisions contained herein that are found to conflict with the provisions of the statute. OMIDDD further reserves the right to withhold payment for defective work, non-payment to subcontractors or breach of this Contract.

**CONTRACT xxxx**  
**EXHIBIT III**

**CONTRACTOR'S PROPOSAL**



## 2020 Hourly Rates for Labor and Equipment

345 Excavator	\$195.00 per hour
336 Excavator	\$185.00 per hour
320 Excavator	\$175.00 per hour
314 Excavator	\$155.00 per hour
305.5 Mini Excavator	\$95.00 per hour
950 Loader	\$155.00 per hour
938 Loader	\$145.00 per hour
Mini Loader	\$95.00 per hour
Skidsteer	\$85.00 per hour
D3 Dozer	\$130.00 per hour
Roller	\$105.00 per hour
Lowboy Truck	\$90.00 per hour
Semi Truck Lead	\$75.00 per hour
Semi Truck Train	\$90.00 per hour
Tandem Truck	\$60.00 per hour
Tool Truck	\$65.00 per hour
Pickup Truck	\$15.00 per hour
Operator	\$80.00 per hour
Foreman	\$75.00 per hour
Laborer	\$70.00 per hour
Truck Driver (CDL)	\$65.00 per hour

*\*Minimum time charge is 4 hours\**

Overtime / Premium Time (1.5 times hourly rate)

Stock & Materials = Cost plus 15%

Subcontracted services = Fee plus 10%



**Prices for 2020-2023**

	Daily/Hourly	Idle Time	Weekly	Monthly
Labor, Pipe Layer, Foreman, CDL Driver (1 Man) M-F First 8 Hours (Regular Time)	\$ 48.00 /HR	N/A	N/A	N/A
Labor, Pipe Layer, Foreman, CDL Driver (1 Man) Overtime >4:30; Weekends, Holidays (OT)	\$ 58.00 /HR	N/A	N/A	N/A
Service Truck 24/7	\$ 35.00 /HR	N/A	N/A	N/A
Cat 305.5, 308 / Mini Excavator With Operator Regular Time	\$ 80.00 /HR	No Charge	N/A	N/A
Cat 305.5, 308 / Mini Excavator With Operator Over Time	\$ 88.00 /HR	No Charge	N/A	N/A
Excavator >24,000LBS With Operator Regular Time	\$ 155.00 /HR	No Charge	N/A	N/A
Excavator >24,000LBS With Operator Over Time	\$ 155.00 /HR	No Charge	N/A	N/A
Front End Loader With Operator Regular Time	\$ 90.00 /HR	No Charge	N/A	N/A
Front End Loader With Operator Over Time	\$ 120.00 /HR	No Charge	N/A	N/A
Skid Steer With Operator Regular Time	\$ 80.00 /HR	No Charge	N/A	N/A
Skid Steer With Operator Over Time	\$ 88.00 /HR	No Charge	N/A	N/A
Directional Drill 1"-2" HDPE Includes Service Material. 24/7 Availability. Drill Capabilities are up to 16" Upon individual project quotation	\$ 22.50 /LF	No Charge	N/A	N/A
Directional Drill Machine	\$ 155.00 /HR	No Charge	N/A	N/A
Mobilize Large Excavator >16Tons & Front End Loader	\$ 425.00 /EA	No Charge	N/A	N/A
Demobilize Large Excavator >16Tons & Front End Loader	\$ 425.00 /EA	No Charge	N/A	N/A
Concrete Breaker for Excavator <10Tons	\$ 70.00 /HR	No Charge	N/A	N/A
Compaction / Hoe Pack	\$ 84.00 /HR	No Charge	N/A	N/A
Dump Truck up to 15 Cubic Yds.	\$ 80.00 /HR	No Charge	N/A	N/A
Dump Truck/Semi Larger than 15 Cubic Yds.	\$ 90.00 /HR	No Charge	N/A	N/A
Dump Truck/Semi Larger than 15 Cubic Yds. Overtime	\$ 95.00 /HR	No Charge	N/A	N/A
Generator	\$ 100.00 /Day	No Charge	N/A	N/A
Concrete Mixer	\$ 100.00 /Day	No Charge	\$400/Week	\$1,500/Month
2" & 3" Pumps	\$ 60.00 /Day	No Charge	N/A	N/A
Power Saw	\$ 100.00 /Day	No Charge	N/A	N/A
Air Compressor	\$ 100.00 /Day	No Charge	\$400/Week	\$1,500/Month
Lights	\$ 50.00 /Day	No Charge	N/A	N/A



Trench Box 6'x12' (Supplied by D'Angelo)	\$ 500.00 /Day	No Charge	\$850 / Week	\$2,500/Month
Standard Trench Plates/Sheeting (Supplied by D'Angelo)	\$ 500.00 /Day	No Charge	\$850 / Week	\$2,500/Month
MDOT Full Traffic Control Includes Arrow Board (Supplied by D'Angelo)	\$ 750.00 /Job	No Charge	N/A	N/A

Silt Fence Installation	\$ 3.00 /LF	N/A	N/A	N/A
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Material Not Included In Unit Costs. All Invoices to be Submitted, Cost Plus;	15%
Sub Contractor or Sub Contractor Services Invoice, Cost Plus;	10%
Equipment Rental Invoice, Cost Plus;	10%

Regular Time is for First 8 Hours worked prior to 4:30PM and Overtime to follow



Purchase and Haul to Site Class II Sand	\$	13.50	/Ton
Purchase and Haul to Site 6A or 5G Stone	\$	14.45	/Ton
Purchase and Haul to Site 21AA CC	\$	14.45	/Ton
Materials Only Class II Sand	\$	10.00	/Ton
Materials Only 6A or 5G Stone	\$	10.00	/Ton
Materials Only 21AA CC	\$	10.00	/Ton
Haul Off Spoils	\$	11.00	/Yard
SOD Lawn/Landscape Repair - All Materials, Equipment, and Labor Included	\$	15.00	/SqYd
SEED Lawn/Landscape Repair - All Materials, Equipment, and Labor Included	\$	11.00	/SqYd
4" Asphalt Restoration;	\$	95.00	/SqYd
6" Asphalt Restoration;	\$	97.00	/SqYd
Concrete Curb & Gutter	\$	48.00	/LF
4" Concrete Restoration;	\$	90.00	/SqYd
6" Concrete Restoration;	\$	97.00	/SqYd
4" Concrete & Asphalt SawCutting	\$	4.00	/LF
6" Concrete & Asphalt SawCutting	\$	5.00	/LF
8" Concrete & Asphalt SawCutting	\$	5.75	/LF
9" Concrete & Asphalt SawCutting	\$	6.25	/LF
10" Concrete & Asphalt SawCutting	\$	6.50	/LF

**Agenda Item No. 14**

NESPS Transition Project Budget Increase



## **Oakland-Macomb Interceptor Drain Drainage District**

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**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: Request for Approval of NESPS Transition Project Budget Increase of \$100,000**

**DATE: March 18, 2020**

On June 19, 2019, the Board approved a budget for the Northeast Sewage Pumping Station (NESPS) Transition Project in the amount of \$403,700. At that time, much of the work had already been performed in preparation for the maintenance transition by our engineering team of METCO, FKE and Applied Science, Inc. Little additional effort was expected to be done by our design engineers since we were no longer taking over operation of the station. As such the budget was primarily set with that in mind. However, since then, there have been a number of maintenance and administrative activities that required the need for engineering and professional services. These included, but was not necessarily limited to, the following:

1. Additional as-needed flow control investigations and modeling to better coordinate OMID capital and maintenance projects with the Macomb Interceptor Drainage District (MIDD) and Great Lakes Water Authority
2. Additional as-needed investigations and engineering of various components of the NESPS (roof inspection, lighting)
3. Assistance with various administrative issues, including insurance, coordination with contractors, MIDD and GLWA, and other planning initiatives related to the operation and/or maintenance of the OMID and NESPS.

Further, internal staff have also been charging their time to this project for their direct efforts related to the maintenance and/or operation of the OMID and NESPS.

Consequently, the current budget has been exhausted. We expect the above types of services to continue to be required in the foreseeable future. As such we recommend that the project budget be increased by \$100,000 to perform these services as attached in the updated project budget sheet. There is sufficient funding in the Major Maintenance Reserves to accommodate this request.

**RECOMMENDED ACTION: Approve the attached revised NESPS Transition Project Budget to increase the project budget \$100,000 for an overall not-to-exceed amount of \$503,000.**



**NESPS Transition Project  
Oakland-Macomb Interceptor Drain Drainage District  
6/14/2019 REV 3-6-20**

	<u><b>Total Cost</b></u>
<b>1) Construction (FAC)</b>	
Project Construction Cost-MCET(Assistance-Base Est)	\$ 50,000
METCO	\$ 117,240
Sub-Total	<b>\$ 167,000</b>
<b>2) Project Development: Engineering Consulting (ENG CON)</b>	
ASI/FK Coordination and Design Effort	\$ 116,490
Sub-Total	<b>\$ 116,000</b>
<b>3) Project Financing &amp; Legal (LEGAL)</b>	
Project Insurance	\$ -
Bond Issuance (Legal)	\$ -
Bond Issuance (Financial Consultant)	\$ -
Bond Ratings	\$ -
Legal Fees (communities contract agreements)	\$ -
Sub-Total	<b>\$ -</b>
<b>3) Right-of-Way Services (ROW)</b>	
Legal & Easement Fees	\$ -
Permits	\$ -
County Personnel Time	\$ 3,407
Sub-Total	<b>\$ 3,000</b>
<b>4) Exclusive County Services:</b>	
Administration (ADM)	\$ 8,060
Public Works (Macomb)	\$ 22,142
Engineering-OCWRC (ENG)	\$ 36,063
Construction Inspection (INS)	\$ 5,655
Surveying (SUR)	\$ -
O&M/Equipment-MCPW (STD)	\$ 2,827
O&M/Equipment-OCWRC (STD)	\$ 2,827
Startup and Training/Corrections-MCPW/OCWRC (STD)	\$ 3,044
Sub-Total	<b>\$ 81,000</b>
<b>5) Subtotal:</b>	<b>\$ 367,000</b>
<b>6) Contingency (10%)</b>	<b>\$ 36,700</b>
<b>6a) As-Needed Services and Labor Cost</b>	<b>\$ 100,000</b>
<b>Final Project Cost</b>	<b>\$ 503,700</b>

**7) CVT Shares/Allocation: Funds Provided by Major Maintenance Reserve**

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

**By: \_\_\_\_\_  
Joel Brown, P.E.  
Project Engineer**

## **Agenda Item No. 15**

Discussion regarding Drainage District services agreement and working with GLWA to approve the services areas

## **Agenda Item No. 16**

Other Business

**Agenda Item No. 17**

Adjourn