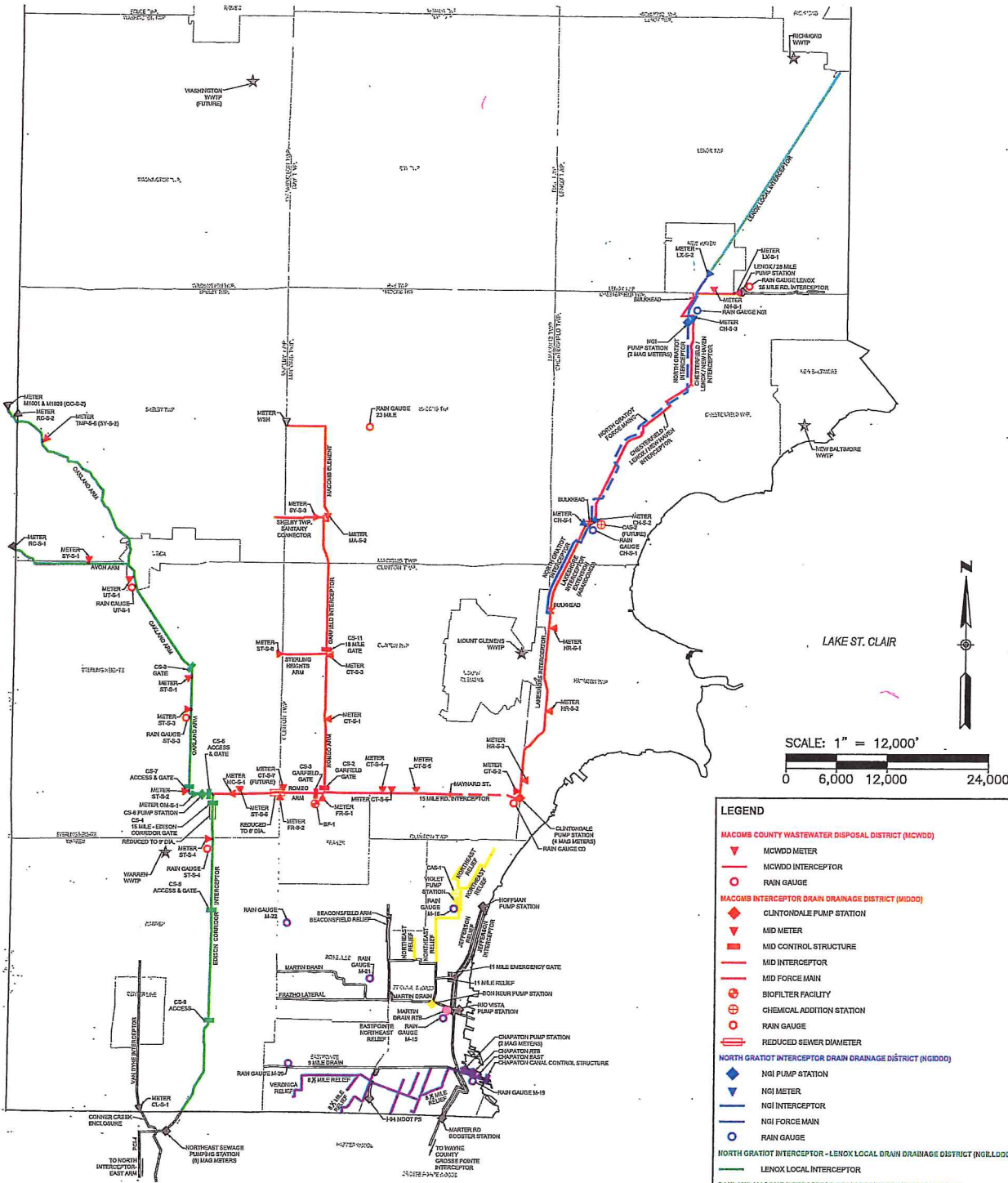


Miller  
Santo  
Haugh

MARTIN SANITARY DIVERSION DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
JANUARY 14, 2019  
10:45 A.M.  
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for January 14, 2019	
3. Approval of Minutes for December 10, 2018	3
4. Public participation	
5. Engineering Services – Vince Astorino	5
Motion: To approve the proposal from Fishbeck, Thompson, Carr & Huber, Inc. for engineering services for the Martin Retention Basin Equipment Hatch Design and Hydraulic Accumulator Replacement for a not-to-exceed amount of \$22,000	
6. Consideration for approval of invoices (see attached)	17
7. Financial Report – Bruce Manning	18
8. Adjourn	

# MACOMB COUNTY WASTEWATER SYSTEMS



**LEGEND**

**MACOMB COUNTY WASTEWATER DISPOSAL DISTRICT (MCWDD)**

- MCWDD METER
- MCWDD INTERCEPTOR
- RAIN GAUGE

**MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (MIDD)**

- CLINTONDALE PUMP STATION
- MID METER
- MID CONTROL STRUCTURE
- MID INTERCEPTOR
- MID FORCE MAIN
- BIOFILTER FACILITY
- CHEMICAL ADDITION STATION
- RAIN GAUGE
- REDUCED SEWER DIAMETER

**NORTH GRATIOT INTERCEPTOR DRAIN DRAINAGE DISTRICT (NGIDD)**

- NGI PUMP STATION
- NGI METER
- NGI INTERCEPTOR
- NGI FORCE MAIN
- RAIN GAUGE

**NORTH GRATIOT INTERCEPTOR - LENOX LOCAL DRAIN DRAINAGE DISTRICT (NGILLDD)**

- LENOX LOCAL INTERCEPTOR

**OKLAND-MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT (OMIDD)**

- CS-6 PUMP STATION
- OMID METER
- OMID CONTROL STRUCTURE
- OMID INTERCEPTOR
- REDUCED SEWER DIAMETER

**8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT**

- CHAPATON WEST PUMP STATION
- CHAPATON RETENTION TREATMENT BASIN
- CHAPATON CANAL CONTROL GATE
- 8 1/2 MILE INTERCEPTOR
- RAIN GAUGE

**SEMICWDS**

- SEMICWDS PUMP STATION
- CHEMICAL ADDITION STATION
- SEMICWDS INTERCEPTOR

**MARTIN SANITARY DIVERSION DRAINAGE DISTRICT (MSDD)**

- MARTIN DRAIN RETENTION TREATMENT BASIN

**OTHER SYSTEMS**

- PUMP STATION
- METER
- WWTP
- INTERCEPTOR

**Candice S. Miller**  
 MACOMB COUNTY PUBLIC WORKS COMMISSIONER



An adjourned meeting of the Intra-County Drainage Board for the **MARTIN SANITARY DIVERSION DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on December 10, 2018, at 10:03 A.M.

PRESENT: Candice S. Miller, Chair  
Bryan Santo, Member

ABSENT: Kathy Tocco, Member

ALSO PRESENT: Veronica Klinefelt, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Karen Czernel, Deputy, Evans Bantios, P.E., Construction and Maintenance Manager, Jeff Bednar, P.E., Environmental Resources Manager, Bruce Manning, Financial Manager, Steven Rozycki, Engineer II, Tom Stockel, Construction Engineer, Dan Heaton, Public Relations Manager, Barbara Delecke, Administrative Services, Macomb County Public Works (MCPW), Patti Dibb, Chief of Staff, Mike Keys, Legislative Assistant, Macomb County Board of Commissioners

The meeting was called to order by the Chair, Candice Miller. A motion was made by Mr. Santo, supported by Ms. Miller to approve the agenda as presented.

Adopted: YEAS: 2  
NAYS: 0

Minutes of the meeting of November 19, 2018 were presented. A motion was made by Mr. Santo, supported by Ms. Miller to approve the minutes as presented.

Adopted: YEAS: 2  
NAYS: 0

The meeting was opened to public participation, then closed, there being no comments from the public.

The final SAW Grant report was received from Anderson, Eckstein & Westrick, Inc. (AEW). Data is being entered into NEXGEN. There are approximately \$3.3 million in improvements needed over the next five years, but upgrades will be on-hold until the Wastewater Master Plan is complete.

A motion was made by Mr. Santo, supported by Ms. Miller to receive and file the project update given by Mr. Rozycki.

Adopted: YEAS: 2  
NAYS: 0

The Chair presented the invoices totaling \$64,211.32 to the board for review and approval.

A motion was made by Mr. Santo, supported by Ms. Miller to approve the invoices as presented.

Adopted: YEAS: 2  
NAYS: 0

A motion to receive and file the financial report given by Mr. Manning was made by Mr. Santo and supported by Ms. Miller.

Adopted: YEAS: 2  
NAYS: 0

There being no further business, it was moved by Mr. Santo, supported by Ms. Miller, that the meeting of the Martin Sanitary Diversion Drain Board be adjourned.

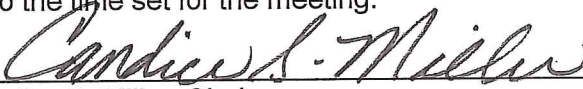
Adopted: YEAS: 2  
NAYS: 0

The meeting was adjourned at 10:07 a.m.

  
Candice S. Miller, Chair  
Macomb County Public Works Commissioner

STATE OF MICHIGAN  
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on December 10, 2018, the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.

  
Candice S. Miller, Chair  
Macomb County Public Works Commissioner

DATED: 12/11/18

9566.bd





**Candice S. Miller**

Public Works Commissioner  
Macomb County

From: Macomb County Public Works Office

Date: 1-2-19

To: 8 ½ Mile Relief Drain Board  
Martin Sanitary Diversion Drain Board

Copy: File  
Evaluation Committee

RE: Proposal Evaluation Project Award Recommendation  
MCPWO RFP No.: **WWS-2019-RFP-001**  
MCPWO Proposal Name: **As-Needed Engineering Services**

This is an open competitive contract for As-Needed Engineering Services for fiscal year 2019. The contract consists of the budgeted blanket As-Needed engineering contract and four specific budgeted projects required during the year. The selected firm will provide services for the 8 ½ Mile Relief Drain Drainage District, Martin Sanitary Diversion Drainage District and Southeast Macomb County Wastewater Disposal System through a single contract with the 8 ½ Mile Relief Drain Drainage District. The 8 ½ Mile Relief Drain Drainage District will be reimbursed for all work performed for the other two Districts.

The approved budget for this blanket As-Needed contract is \$100,000. We also included 4 budgeted projects to this scope of work and these will be awarded to the winning firm. The cost to perform those projects was negotiated with the recommended team and cost proposals have been submitted. Those projects and costs are as follows:

1. Chapaton Basin Structural Integrity Study (\$60,663.00 NTE)
2. 8 ½ Mile and 9 Mile Pipeline Repairs (\$16,256.00 NTE)
3. Martin RTB Basin Equipment Hatch Design (\$12,000.00 NTE)
4. Martin RTB Hydraulic Accumulator Replacement (\$10,000.00 NTE)

The Request for Proposals (RFP) was advertised from 11-2-18 to 12-11-18 on the Michigan Inter-Governmental Trade Network (MITN) website. Six-Hundred Forty-Two (642) solicitations were sent out via MITN and Seventy-Six (76) firms downloaded the RFP. Two (2) Addendums were issued during the course of the RFP. The Addendums answered questions to bidder submitted questions.

On 12-11-18, proposals were received from 5 firms. Each member of the Evaluation Committee independently reviewed and scored the proposals in accordance with MCPWO's policy. The possible range of scores was from 0 to 100. The proposers were ranked as follows:

Firm	Technical Score
Alfred Benesch	60
Fishbeck, Thompson, Carr & Huber	100
GHD	70
Tetra Tech	80
Wade Trim	90
<b>Maximum Possible Score</b>	<b>100</b>

Each firm submitted rate sheets that were evaluated after the technical proposals were scored. All of the firms were similar in cost and therefore this did not make a significant change to the overall score.

The Evaluation Committee recommends that **Fishbeck, Thompson, Carr & Huber**, the number one ranked proposer, be named as the consultant for the above referenced Project at the total NTE value of \$198,919.00.

On behalf of the Board please indicate your approval of this recommendation by signing below. Thank you for consideration of this recommendation.

\_\_\_\_\_  
 Vince Astorino  
 Operations & Flow Manager  
 MCPWO Engineering-Wastewater Services

\_\_\_\_\_  
 Steve Rozycki, PE  
 Engineer II  
 MCPWO Engineering-Wastewater Services

\_\_\_\_\_  
 Pete Trombley  
 CSO Operations Manager  
 MCPWO Engineering-Wastewater Services

Approved: \_\_\_\_\_

Not Approved: \_\_\_\_\_

Hold: \_\_\_\_\_

\_\_\_\_\_  
 Authorized Board Member Signature

\_\_\_\_\_  
 Authorized Board Member Name (print)



January 10, 2019

Mr. Vincent Astorino  
Operations and Flow Manager  
Macomb County Public Works Office  
21777 Dunham Road  
Clinton Township, MI 48036

Re: Proposal for Professional Engineering Services  
Martin Retention Treatment Basin Upgrades

Dear Mr. Astorino:

Fishbeck, Thompson, Carr & Huber, Inc. (FTCH) is pleased to provide this proposal for services to be performed under our 8.5 Mile Relief Drain As-Needed Engineering contract. Task 2.A under this contract includes two items. The first is the design of a replacement for the existing hydraulic accumulator system at the Martin Retention Treatment Basin (RTB). The existing hydraulic accumulator was originally used to control the operation of three or more sluice gates but is now only used to operate a single diversion gate. In addition, the unit, originally installed in 1980, has surpassed its useful life. Replacement of the hydraulic accumulator will result in an appropriately sized unit that will provide reliable service.

The second item is the design of a replacement cover for the equipment hatch on the RTB. The equipment hatch is used to lower a compact loader into the RTB for removal of accumulated sediment. The existing sloped aluminum cover is approximately 11- x 17- x 2.5-foot high (at the center), mounted on a concrete curb. The center-opening cover is hinged on the outside ends and has three lifting hooks on each panel. Although the concrete curb is in good condition, the aluminum cover is showing signs of deterioration and wear.

## Scope of Services

### Hydraulic Accumulator Design

Upon authorization, FTCH will review existing information related to the current operating pressure of the system, size and weight of the existing sluice gate, and intended gate position or backup power requirements upon power failure.

FTCH will provide the design criteria to vendors of hydraulic accumulators to obtain dimensional data, quotations, and specifications for replacement units and optional equipment. Upon receipt of this information, FTCH will prepare a design plan and appropriate section views for soliciting bids from installation contractors. The plan will include both the accumulator system and control panel. Specifications, including components, materials of construction, and requirements for maintaining service to the sluice gate during changeover will be included on the design plan.

### Equipment Hatch Cover Design

A site visit will be conducted to obtain specific dimensions of the cover and assess the condition of the existing concrete curb. FTCH will work with a fabricator to prepare a plan with sections and support details suitable for bidding. Specifications, including components, materials of construction, and connection details will be provided on the plans.

Draft plans will be submitted to MCPWO for review prior to finalizing.



Mr. Vincent Astorino  
Page 2  
January 10, 2019



## Assumptions

FTCH will not prepare complete bidding documents but will only prepare 11- x 17-inch plans, suitable for obtaining bids from installation contractors.

We have not included bidding and construction administration/observation services at this time, but can provide these services if so desired.

## Professional Services Fee

FTCH proposes to design the two items on a time and material not-to-exceed fee based on the following:

- Hydraulic accumulator \$10,000
- New equipment hatch cover \$12,000

Invoicing on the project will be in accordance with the terms and conditions of the 8.5 Mile Relief Drain As-Needed Engineering contract.

If you have any questions or require additional information, please contact me at 248.324.1228 or [mesedki@ftch.com](mailto:mesedki@ftch.com).

Sincerely,

FISHBECK, THOMPSON, CARR & HUBER, INC.

A handwritten signature in black ink, appearing to read "Maria Sedki".

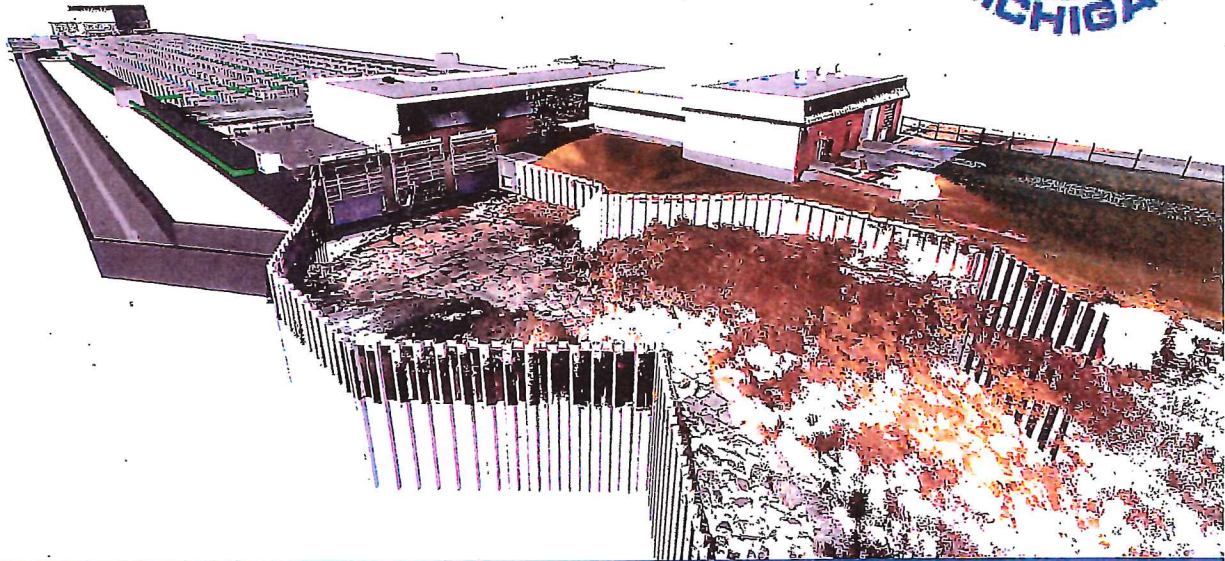
Maria E. Sedki, PE

A handwritten signature in black ink, appearing to read "Terry Woodward".

Terry Woodward, PE

nac  
By email





# 8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT

COST PROPOSAL FOR: AS-NEEDED ENGINEERING SERVICES  
PROPOSAL NO. WWS-2019-RFP-001  
DECEMBER 11, 2018

FISHBECK, THOMPSON, CARR & HUBER, INC.



NTH Consultants, Ltd.  
Infrastructure Engineering  
and Environmental Services

**PROPOSAL FORM**

**Proposal No.** \_\_\_\_\_ **Proposer:** Fishbeck, Thompson, Carr & Huber, Inc.  
*(print or type company name)*

**BASE PROPOSAL**

The undersigned Proposer, having carefully examined the Proposal Documents and the Scope of Work, the requirements of the Request for Proposal and all subsequent Addenda, all as issued by the Owner, and being familiar with all conditions and requirements of the Scope of Work, hereby proposes and agrees to furnish all material, labor, equipment, tools and supervision; and to furnish all services necessary to complete the Work required in accordance with the Bidding Documents for the following projects, in the following amount: FTCH acknowledges receiving Addendum 1, dated November 15, 2018; and Addendum 2, dated December 4, 2018.

See attached fee schedules. \_\_\_\_\_ Dollars \$ \_\_\_\_\_  
*(Sum to be written out)*

Respectfully submitted this 5th day of December, 2018

Witness: [Signature]  
Attest: [Signature: Stephen C. Nichols]  
*(Signature)*

By: Stephen C. Nichols, PE  
*(Type or print name)*  
Title: Senior Vice President/Corporate Secretary  
*(Corporate Secretary or Assistant Secretary Only)*

*(Affix Corporate Seal Here)*  
Fishbeck, Thompson, Carr & Huber, Inc.  
Company Name

By: Fishbeck, Thompson, Carr & Huber, Inc.  
*(Name of bidding firm or corporation)*  
By: [Signature: James A. Susan]  
*(Signature)*

James A. Susan, PE  
*(Type or print name)*  
Title: President/Principal  
*(Owner/Partner/President/Vice Pres.)*  
Address: 1515 Arboretum Drive, SE  
Phone: 800.456.3824  
License: 6201036610 (Michigan PE License)  
Federal ID No.: 38-1841857

[Signature: William C. Gipson]  
Company Representative  
William C. Gipson, CPA  
Senior Vice President/Treasurer  
Title  
12/5/2018  
Date



## FTCH Cost Information

The following is FTCH's comprehensive schedule with hourly rates for each of the applicable staff classifications. The hourly rates include overhead and profit. These rates apply to all the engineering fields we are submitting on and will remain for the duration of the 1-year contract.

Category	Role	2018 Rate
<b>Project Management</b>	Project Manager	\$164
<b>Engineering (Civil, Mechanical, Electrical, Structural, Process)</b>	Senior Engineer	\$164
	Engineer	\$130
	Staff Engineer	\$110
<b>Inspection</b>	Senior Technician	\$115
	Technician	\$94
	Staff Technician	\$73
<b>Surveying</b>	Senior Surveyor	\$130
	Surveyor	\$115
	Survey Specialist	\$105
<b>GIS Mapping/CADD</b>	Senior Technician	\$136
	Technician	\$105
	Staff Technician	\$89
<b>Environmental Scientist</b>	Senior Environmental Specialist	\$157
	Environmental Specialist	\$115
	Staff Environmental Specialist	\$94
<b>Specialist</b>	Senior Engineering Specialist	\$152
	Senior Estimator	\$163
<b>Architecture</b>	Senior Architect	\$164
	Architect	\$130
	Staff Architect	\$110
<b>Administrative</b>	Principal	\$208
	Senior Associate	\$183
	Associate	\$164
	Clerical/Production Support	\$70



Invoices are rendered every four weeks and payment is due upon receipt.

### Direct Expenses

Category	Rate
Mileage/Passenger Vehicles	\$0.70/mile
Field and Services Vehicles	\$0.95/mile (\$37/day minimum)
Global Positioning Unit	\$50/hour
Survey Robot	\$35/hour
Flow Monitor	\$650/month
Equipment Schedule	Separate Schedule
Expenses and Outside Services	Cost plus 10%





## AEW Cost Information

### HOURLY-BASE FEE SCHEDULE

#### PROFESSIONAL SERVICES

Where it is agreed that fees for services will be based upon the time worked on the project, such fees will be computed at the following rates:

<u>Classification Hourly Rate</u>	<u>2019 Rates</u>
Principal Engineer/Surveyor/Architect	\$171.00
Project Manager	\$167.50
Senior Project Engineer	\$157.00
Project Engineer/Project Surveyor/ Resident Project Representative	\$142.50
Operation and Maintenance Specialist	\$136.50
Graduate Engineer/Surveyor/Architect	\$117.50
Team Leader/Designer	\$117.50
Drafter/Technician	\$ 97.00
Clerical	\$ 47.00
One-person Survey Crew (Crew Chief) w/Truck and Equipment	\$167.50
Two-person Survey Crew (Crew Chief and Instrument Man w/Truck and Equipment)	\$229.50
Three-person Survey Crew (Crew Chief and Instrument Man and Assistant w/Truck and Equipment)	\$283.50
Three Person Sewer Crew	\$333.00
Four Person Sewer Crew	\$409.00
Construction Observer	\$ 97.00

If necessary, the Consultant would serve on litigation or as an expert witness at a rate of 1.5 times the current hourly rate.

These rates are inclusive of all overhead items that are normal business operations. No reimbursable for normal business operations will be allowed, i.e., mileage, faxes, phone bills, etc.

Hourly-Basis Fee Schedule to be adjusted beginning January 1, 2020.

Effective January 1, 2019.



**2018\* Hourly Labor Billing Rates**

<u>Classification</u>	<u>Rate</u>
Principal Engineer	\$164.00 (Ridgway)
Senior Project Manager	\$135.00 - \$152.00 (Michalski, Curson, Minor)
Project Manager	\$121.00 (Szlaga, Wood)
Project Engineer	\$88.00 - \$99.00 (McCollum, Wiebe, Sting)
Staff Engineer	\$73.00 - \$85.00 (Campbell, Garza, Wahrman, Dandayudham, McConnell)
CADD	\$96.00 (Herold)
Technician	\$51.00 - \$82.00 (Kelly, Davis, Gorday)
Controller	\$119.00 (Capobres)
Clerical	\$62.00 (Lynn)

Overhead Rate = 145%

Profit = 15%

Mark-Up on Other Direct Costs = 5%

*\* Rate increase in March 2019*



# // 2017 FEE AND RATE SCHEDULE PROFESSIONAL SERVICES

## PERSONNEL

Fees for our services will be based upon the time worked on the project by professional, technical and clerical personnel according to the following schedule:

	PER HOUR
Technician I* .....	\$50
Word Processor* .....	\$55
Technician II* .....	\$60
Technician III* .....	\$70
Technician IV* / Lab Technician* .....	\$80
CADD Operator .....	\$85
Staff Professional .....	\$95
Senior Technician/Certified Welding Inspector* .....	\$90
Senior Staff Professional .....	\$115
Project Professional .....	\$125
Senior Project Professional .....	\$145
Principal Engineer .....	\$165
Senior Principal Engineer .....	\$185
Corporate Officer .....	\$215

*\*For these personnel, overtime work will be charged at a rate equal to 1.33 times the Standard Rate.*

A premium of 25 percent will be added to hourly rates for expert testimony and depositions, including preparation time.

NTH Consultants and Professionals include Engineers, Geologists, Environmental Specialists, Architects, Roofing Specialists, Industrial Hygienists, Environmental Health Specialists, Scientists, Asbestos Specialists, and Environmental Chemists. NTH Technicians include Engineering, Environmental, Construction Materials, and Environmental Health technical specialists.

NTH operates on a strong project management system, and a Project Manager is appointed for each project. Project Managers are selected from our staff of Senior Project Professionals, Principal Engineers and Senior Principal Engineers.

## EXPENSES

The following expenses, when incurred in direct connection with the project, will be charged at the rate shown:

Transportation, Lodging and Subsistence for Travel .....	Cost + 10%
Printing, Reproduction, Photographs, Long Distance Telephone and Telecopier	
Charges, Shipping Charges and Material Purchases .....	Cost + 10%
Project Mileage for Company-Owned Vehicles .....	\$1.00 / Mile
Cellular Phone (Field Projects) .....	\$15 / Day
CADD Supply Charge .....	\$6 / Hour

Rental of Specialized Field, Laboratory or Monitoring Equipment will be billed as indicated on NTH Schedule of Equipment Usage Rates.

## SUBCONTRACTORS / SUBCONSULTANTS

On projects requiring subcontractors or subconsultants, we will obtain the services of reputable contractors or consultants to perform such work. The fees of these contractors or consultants plus a 15% service charge will be added to our invoices.

## INVOICES

Progress invoices will be submitted to the client monthly and a final bill will be submitted upon completion of our services. Invoices for cost plus and time and materials projects will show charges for different personnel and expense classifications. Each invoice is due on presentation and is past due thirty (30) days from invoice date. Client agrees to pay a finance charge of one percent (1%) per month on past due accounts. We reserve the right to suspend or terminate work under our agreement upon failure of the client to pay invoices when due.

## INCREASES

Fee schedule increases made by our firm on an overall client basis will be applied to work on all projects as the increases become effective.

Hubbell, Roth & Clark, Inc.

2019 Estimated Hourly Rate Schedule  
 Prepared for:  
 Macomb County Public Works

<u>Category</u>	<u>Billable Rates</u>
Principal	191.00 - 191.00
Sr. Associate/Managing Engineer	170.00 - 191.00
Associate/Managing Engineer	138.00 - 169.00
Department Manager	127.00 - 164.00
Manager	126.00 - 130.00
Sr. Project Engineer/Architect	118.00 - 159.00
Project Engineer/Architect	99.00 - 141.00
Staff Engineer/Architect	95.00 - 115.00
Graduate Engineer/Architect I/II	84.00 - 99.00
Transportation Specialist	133.00 - 133.00
GIS Specialist	72.00 - 99.00
Right of Way Specialist	144.00 - 144.00
Environmental Analyst	80.00 - 104.00
Sr. Designer	130.00 - 159.00
Designer	93.00 - 135.00
Sr. Cadd Technician	97.00 - 111.00
Survey Office Supervisor	131.00 - 131.00
Registered Surveyor	107.00 - 107.00
Survey Technician	100.00 - 101.00
Survey Party Chief	81.00 - 116.00
Survey - Instrument Person	77.00 - 77.00
Survey - Survey Assistant	60.00 - 60.00
Supervisors- Construction Observation	112.00 - 117.00
Field Project Representatives	97.00 - 134.00
Construction - Office Technician	54.00 - 68.00
Sr. Construction Observer	78.00 - 95.00
Construction Observer I/II	46.00 - 80.00
Construction Engineer	97.00 - 141.00
Testing Technician	54.00 - 99.00
Administrative Support**	54.00 - 116.00

\*Wage rates shown above are estimated for 2019.

Billable rates for Hubbell, Roth & Clark, Inc. include Unemployment and Payroll taxes, contributions for Social Security, Retirement benefits, Medical and Life insurance benefits, normal printing cost, telephones, fax, computer time, mileage, other overhead costs and profit.

Allowable Reimbursable expenses will be invoiced at our cost which is defined as the direct costs plus 5% .

\*\* This Category includes Computer, Reproduction and Administrative Staff.





MARTIN SANITARY DIVERSION DRAIN - 1/14/19

<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Project Balance</u>
Martin Sanitary Diversion Drain	Chapter 20 Roseville - 78.09% St. Clair Shores - 21.91% SAW Grant 1411-01 (Closing date 11/24/18)	Astorino Astorino Astorino	Anderson, Eckstein & Westrick, Inc. DTE Energy HESCO	\$ 1,152.00 \$ 1,412.76 \$ 1,500.00	Invoice #0120311 - 12/18/18 Engineering Services - 11/12/18 - 11/30/18 Monthly Electric - 11/15/18 - 12/17/18 Application #5 - 12/12/18	Asset Inventory, Condition Assessment, CIP  PM on Meters	\$ 24,461.02  \$ 51,299.00
<b>Total</b>				\$ 4,064.76			

9602.bd

YTD Budget  
Fund: Martin Sanitary Diversion  
As of Fiscal Period: Oct 1, 2018-Dec 31, 2018

DESCRIPTION	2019 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
<b>REVENUE ACCOUNTS</b>					
State-Grants					
Investment Inc-Interest	500		864	(364)	54.8%
Reimb-Local Communities	699,485		349,743	349,743	50.0%
PY Revenue-Fund Balance	95,750			95,750	0.0%
<i>Total Revenue Accounts</i>	795,735	-	350,606	445,129	44.1%
<b>EXPENSE ACCOUNTS</b>					
Application/Permit Fee	3,000			3,000	0.0%
Dues, Training, Conf, Subs.	5,750		135	5,615	2.3%
<b>Engineering</b>					
-As Needed Engineering	15,000			15,000	0.0%
-Design Basin Equipment Hatch	12,000			12,000	0.0%
-Design Flushing System Upgrades & First Flush Capture	200,000			200,000	0.0%
-SAW Match	17,700		12,415	5,285	70.1%
-Study of Disinfection System	20,000		2,974	17,026	14.9%
New Equipment	15,250		110	15,140	0.7%
Operating Supplies	44,550		4,616	39,934	10.4%
Other Professional Svcs	20,600		9,871	10,729	47.9%
Personnel Services	168,081		8,258	159,823	4.9%
Repair & Maintenance	60,810		1,442	59,368	2.4%
Scada System	16,914			16,914	0.0%
Utilities	46,080		1,366	44,714	3.0%
Capital Reserve	150,000			150,000	0.0%
<i>Total Expense Accounts</i>	795,735	-	41,187	754,548	5.2%

	O&M Balance 9/30/2018	O&M	Total 12/31/2018
Cash - Operating	338,645	321,834	660,479
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		350,606	350,606
Expenditures		28,772	28,772
Encumbered for SAW		4,758	4,758
Equity	338,645		655,721

	Grant	Match	Total
SAW 1411-01	292,514	32,502	325,016
YTD	(249,695)	(27,744)	(277,439)
Remaining	42,819	4,758	47,577