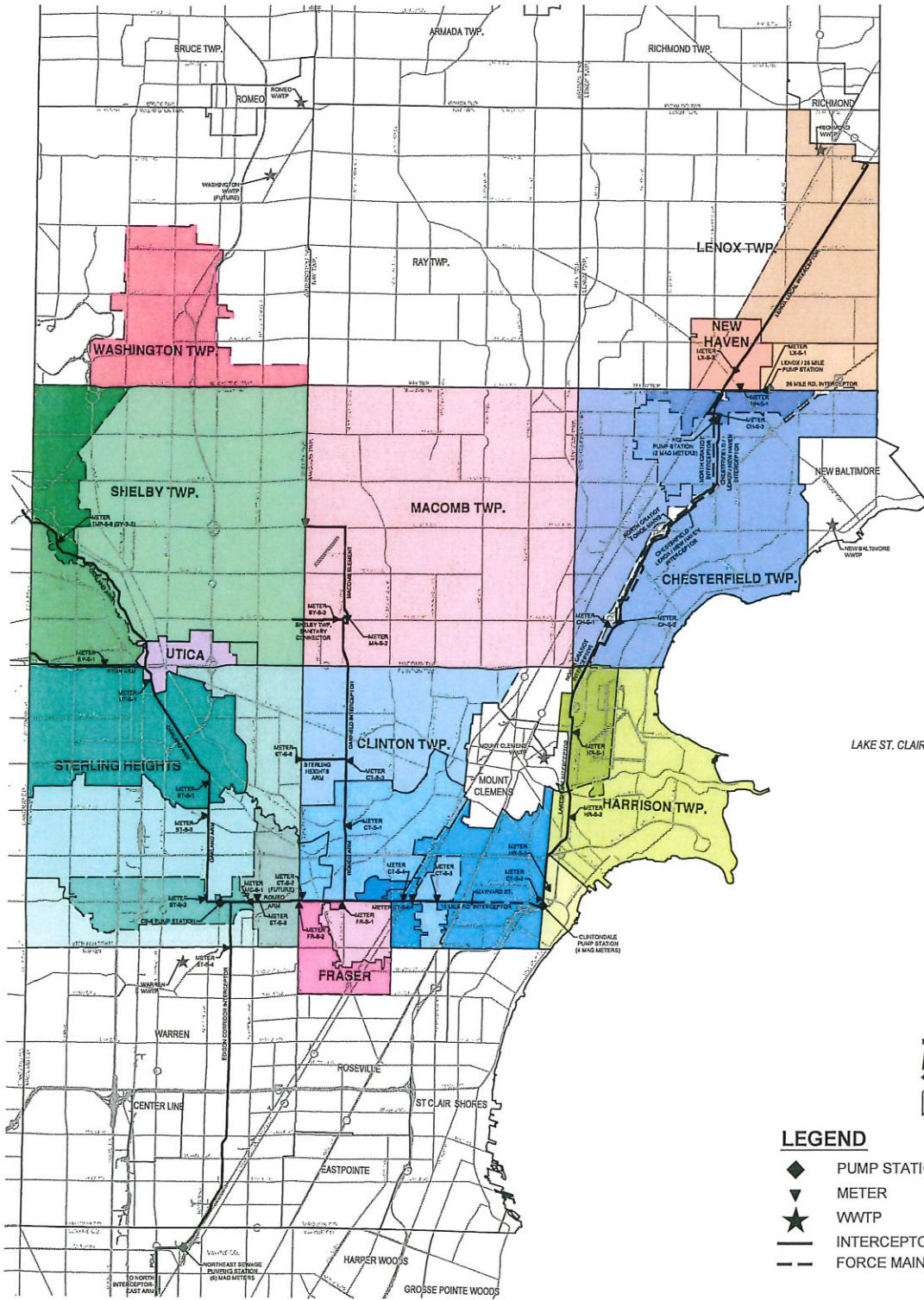


MACOMB INTERCEPTOR DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
MARCH 11, 2019  
10:45 A.M.  
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for March 11, 2019	
3. Approval of Minutes for February 11, 2019	3
4. Public Participation	
5. Project Updates – Vince Astorino, Stephen Downing	
6. As-Needed Engineering Service Contracts – Change Order – Stephen Downing	6
Motion: To approve a change order to the As-Needed Engineering Contracts in the amount of \$75,000 each for FK Engineering, FTC&H, and Wade Trim	
7. Consideration for approval of invoices (see attached)	19
8. Financial Report – Bruce Manning	21
9. Adjourn	

# MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT



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

An adjourned meeting of the Intra-County Drainage Board for the **MACOMB INTERCEPTOR DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on February 11, 2019, at 10:58 A.M.

PRESENT: Brian Baker, Acting Chair

Bryan Santo, Member

ABSENT: Robert Mijac, Member

ALSO PRESENT: Harold Haugh, Macomb County Board of Commissioners; Vince Astorino, Operations & Flow Manager, Evans Bantios, P.E., Construction and Maintenance Manager, Jeff Bednar, Environmental Engineer, Karen Czernel, Deputy, Dan Heaton, Communications Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Madison Tanghe, Senior Secretary, Macomb County Public Works

The meeting was called to order by the Acting Chair, Brian Baker. A motion was made by Mr. Santo, supported by Mr. Baker to approve the agenda as presented.

Adopted: YEAS: 2  
NAYS: 0

Minutes of the meeting of January 14, 2019 were presented. A motion was made by Mr. Santo, supported by Mr. Baker to approve the minutes as presented.

Adopted: YEAS: 2  
NAYS: 0

Mr. Astorino updated the board that the MIDD is under an administrative consent order by the DEQ for the spill during the sinkhole. Last month, we presented the state with the project plan. We had to inspect everything, give them those results, then what our project plan was to fix the system. We submitted approximately a 3,300 page document. The next major milestone is an annual submission for our asset management plan in July.

Mr. Bantios added that we are evaluating options to repair the Romeo Arm between Fontana and the Edison Corridor. We should have a report from our engineering firm doing the analysis by the end of this month, either going in to do grouting the pipe or lining the pipe.

A motion was made by Mr. Santo, supported by Mr. Baker to receive and file the project updates by Mr. Astorino and Mr. Bantios.

Adopted: YEAS: 2  
NAYS: 0

Mr. Bantios informed the board that the last meters we have in our system that need to be rehabbed are SY-S-2 and WA-S-1. SY-S-2 was budgeted to be rehabbed the reason. It wasn't part of the SY-S-1 project because we didn't have a proposal yet to do the work. The WA-S-1 design project is needed in order to determine the total cost of the rehabilitation project that will be split between the MIDD and Washington Township.

A motion was made by Mr. Santo, supported by Mr. Baker to approve a Change Order to the SY-S-1 Meter Design Project with HRC to include the Design of SY-S-2 and WA-S-1 Meter Facilities Rehabilitation in the amount of \$45,615.

Adopted: YEAS: 2  
NAYS: 0

A motion was made by Mr. Santo, supported by Mr. Baker to approve the quote from Marino's Landscape for mowing services for the MIDD based on unit prices totaling \$16,767 for the 2019 and 2020 mowing seasons.

Adopted: YEAS: 2  
NAYS: 0

The Acting Chair presented the invoices totaling \$9,577,266.90 to the board for review and approval.

A motion was made by Mr. Santo, supported by Mr. Baker 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 Mr. Baker.

Adopted: YEAS: 2  
NAYS: 0

There being no further business, it was moved by Mr. Santo, supported by Mr. Baker, that the meeting of the Macomb Interceptor Drain Board be adjourned.

Adopted: YEAS: 2  
NAYS: 0

The meeting was adjourned at 11:09 a.m.

  
\_\_\_\_\_  
Brian Baker, Acting 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 taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on February 11, 2019 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.



---

Brian Baker, Acting Chair  
Macomb County Public Works Commissioner

DATED: 2/11/19



**Candice S. Miller**  
Public Works Commissioner  
Macomb County

To: Candice Miller, Macomb County Public Works Commissioner

CC: Brian Baker, Chief Deputy

From: Stephen Downing, Engineer II

Date: March 6, 2019

Subject: Change Order Approval Request for As-Needed Engineering Services

The 2017/2018 MIDDD budget allocated \$450,000 for As-Needed Engineering Services. A competitive bid was issued on MITN for consultants to submit a Statement of Qualifications and Rate Schedule. The Board approved the recommendation to award contracts to six consultants, each with a budget of \$75,000. The recommendation letter is attached for reference.

In December, 2017 the MIDDD entered into an agreement with six consultants, each to provide services based on the District's needs and the Consultant's area of discipline. Since that time the consultants have successfully provided support for various engineering tasks, ranging from reports, studies, condition assessments and design.

The 2018/2019 MIDDD budget allocated \$450,000 for As-Needed Engineering Services. At that time there was not a need to request a change order because there was sufficient budget remaining in the original contracts with each of the six consultants. The funds have remained allocated as approved within the current budget until it was determined necessary to request a change order.

The MCPWO Engineering staff has determined a need to allocate additional funds to three of the As-Needed Engineering Consultants. The Consultants included in this request are FK Engineering, FTC& H and Wade Trim. The change orders will allocate an additional \$75,000 to each of the listed consultants.

The As-Needed Engineering Services contracts have allowed the MCPWO Engineering staff to quickly and efficiently obtain services for smaller tasks. FK Engineering has provided support for structural and rehabilitation inspection, assessment and recommendations, specifically within the Romeo Arm portion of the system. FK Engineering will continue to provide these type of support services for the other portions of the system. FTC&H has provided planning and other services, including an intern to organize and catalog the wastewater engineering file room and to develop Request for Proposal documents for upcoming projects. FTC&H will continue to provide support on similar tasks, including the recently initiated task in developing standard construction specification and details. Wade Trim has provided support for mechanical and electrical services, including electrical analysis at Clintondale Pump Station and design of the additional pump at the NGI Pump Station. Wade Trim will continue to provide support for similar tasks within the system.

With the As-Needed Engineering Services contracts in place the MCPWO Engineering staff can quickly and efficiently delegate jobs to pre-qualified and proven consultants without the competitive bidding process.

**OFFICE LOCATION:** 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933

**MAILING ADDRESS:** P. O. Box 806, Mt. Clemens, Michigan 48046-0806

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

Since December of 2017 the MCPWO Engineering staff has successfully executed several smaller projects with each of these three consultants.

A draft copy of the change orders have been attached for reference. On behalf of the MCPWO Engineering staff please approve this request to allocate the 2018/2019 As-Needed Engineering Services budget to the three consultants indicated above in the amount of \$75,000 each for a total of \$225,000. The remaining \$225,000 will be allocated at a later date.

Attachments: As-Needed Engineering Award Recommendation Letter  
Draft Change Order No. 1

**OFFICE LOCATION:** 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933

**MAILING ADDRESS:** P. O. Box 806, Mt. Clemens, Michigan 48046-0806

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



**Candice S. Miller**

Public Works Commissioner  
Macomb County

From: Macomb County Public Works Office

Date: December 1, 2017

To: Macomb Interceptor Drain Drainage District

Copy: File  
Evaluation Committee

RE: Proposal Evaluation Project Award Recommendation  
MCPWO RFP No.: **MCPWO-WWS-2018-RFP-002**  
MCPWO Proposal Name: **2018 As-Needed Engineering**

This is an open competitive contract. The Request for Proposals (RFP) was advertised from November 14, 2017 to November 29, 2017 on the Michigan Inter-Governmental Trade Network (MITN) website. A total of 1764 solicitations were sent out via MITN. A total of 82 firms downloaded the RFP.

Two (2) Addendums were issued during the course of the RFP. The Addendums addressed questions received during the open question period.

On November 29, 2017, proposals were received from 15 firms. One firm, NTH, was disqualified due to improper submission of the cost section, which was required to be enclosed in a separate sealed envelope. Each member of the Evaluation Committee reviewed the proposals and shortlisted the top three firms in each sub-discipline. The shortlisted firms were scored on a scale of 0 to 10, with the firm receiving a 10 being recommended for award. The proposers were scored as follows:

Electrical		Mechanical		Geotechnical		Structural	
Firm	Score	Firm	Score	Firm	Score	Firm	Score
Metco	10	Wade Trim	10	FK	10	FK	10
J & A	8	Metco	9	SME	9	HRC	9
Wade Trim	7	ASI	8	DLZ	8	OHM	7

Pipeline		Planning		Hydraulic		Odor	
Firm	Score	Firm	Score	Firm	Score	Firm	Score
FK	10	FTC&H	10	ASI	10	CH2M	10
HRC	9	AEW	7	OHM	8	Giffels	7
Wade Trim	7	SDA	6	FTC&H	7	DLZ	7

The evaluation team reviewed and determined the rate and fee schedules provided by all submitting firms are typical for this area.

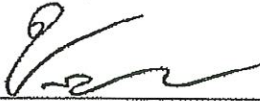
ADDRESS: 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933  
ENGINEERING • Phone: 586-469-5910 • Fax: 586-469-7693 ◊ SOIL EROSION • Phone: 586-469-5327 • Fax 586-307-8264




The Evaluation Committee recommends that the following firms be named as the consultants for the above named Project:

- 1) Applied Science, Inc.
- 2) CH2M Hill
- 3) FK Engineering
- 4) Fishbeck, Thompson, Carr & Huber
- 5) Metco
- 6) Wade Trim

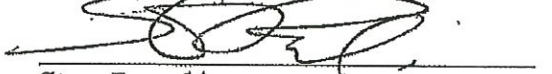
On behalf of the Board please indicate your approval of this recommendation by signing below. Thank you for consideration of this recommendation.




Vince Astorino  
Operations & Flow Manager  
MCPWO Engineering-Wastewater Services



Evans Bantios  
Construction & Maintenance Manager  
MCPWO Engineering-Wastewater Services



Steve Rozycki  
Engineer II  
MCPWO Engineering-Wastewater Services

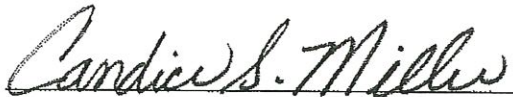


Stephen Downing  
Engineer II  
MCPWO Engineering-Wastewater Services

Approved:

Not Approved:

Hold:



Authorized Board Member Signature  
Board Name



Authorized Board Member Name (print)

		<b>Change Order</b>	01
Date of Issuance:	3/6/19	Effective Date:	3/11/19
Owner:	MIDDD	Owner's Contract No.:	WWS-18-002D
Engineer:	FTC&H	Project No.:	
Project:	As-Needed Engineering	Contract Name:	

The Contract is modified as follows upon execution of this Change Order: Add \$75,000 to existing contract to provide as-needed engineering services at the direction of MCPWO Engineering staff. Updated hourly rate and fee schedule is attached.

The original [Contract Sum/Guaranteed Maximum Price] was \$ 75,000.00

The net change from previously approved Change Orders No. \_\_ to No. \_\_ : \$ 0.00

The [Contract Sum/Guaranteed Maximum Price] prior to this Change Order: \$ 75,000.00

The [Contract Sum/Guaranteed Maximum Price] prior to this Change Order will be [increased/decreased/unchanged] by: \$ 75,000.00

The new [Contract Sum/Guaranteed Maximum Price], including this Change Order, will be: \$ 150,000.00

The Contract Time will be [increased/decreased/unchanged by]: \_\_\_\_\_ (days)

The date of Substantial Completion as of the date of this Change Order, therefore, is: N/A

ACCEPTED:

By: \_\_\_\_\_  
Owner (Authorized Signature)

ACCEPTED:

By: \_\_\_\_\_  
Engineer (Authorized Signature)

Title \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

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	2019 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	\$0.56/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%



			<b>Change Order</b>	<b>01</b>
Date of Issuance:	3/6/19	Effective Date:	3/11/19	
Owner:	MIDDD	Owner's Contract No.:	WWS-18-002C	
Engineer:	FK Engineering	Project No.:		
Project:	As-Needed Engineering	Contract Name:		

The Contract is modified as follows upon execution of this Change Order: Add \$75,000 to existing contract to provide as-needed engineering services at the direction of MCPWO Engineering staff. Updated hourly rate and fee schedule is attached.

The original [Contract Sum/Guaranteed Maximum Price] was \$ 75,000.00

The net change from previously approved Change Orders No. \_\_\_ to No. \_\_\_ : \$ 0.00

The [Contract Sum/Guaranteed Maximum Price] prior to this Change Order: \$ 75,000.00

The [Contract Sum/Guaranteed Maximum Price] prior to this Change Order will be [increased/decreased/unchanged] by: \$ 75,000.00

The new [Contract Sum/Guaranteed Maximum Price], including this Change Order, will be: \$ 150,000.00

The Contract Time will be [increased/decreased/unchanged by]: \_\_\_\_\_ (days)

The date of Substantial Completion as of the date of this Change Order, therefore, is: N/A

ACCEPTED:

By: \_\_\_\_\_  
Owner (Authorized Signature)

ACCEPTED:

By: \_\_\_\_\_  
Engineer (Authorized Signature)

Title \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_



## 2019 Standard Fee and Rate Schedule

Fees for services will be charged on an hourly basis according to the following schedule:

### Personnel Title

<b>Principal</b>	\$190/hour
<b>Project Principal Engineer</b>	\$160/hour
<b>Senior Project Engineer</b>	\$130/hour
<b>Project Engineer</b>	\$116/hour
<b>Senior Staff Engineer</b>	\$104/hour
<b>Staff Engineer</b>	\$91/hour
<b>Senior Technician</b>	\$67/hour
<b>Field Technician</b>	\$58/hour
<b>Administrative Assistant</b>	\$58/hour
<b>Senior Engineering Intern</b>	\$54/hour
<b>Engineering Intern/Tech 3</b>	\$51/hour
<b>Engineering Intern/Tech 2</b>	\$47/hour
<b>Engineering Intern/Tech 1</b>	\$41/hour

Field Technician over-time will be billed at 1.3 x the hourly rate.

Fees for other standard expenses will be charged on a unit rate basis as follows:

<u>Item</u>	<u>Rate</u>
Mileage	\$0.65 per mile
Company Truck Usage	\$95 per day/\$435 per week up to 50 miles/day included Additional mileage charged at standard rate
Geosystems Software	\$400 per week/\$1,200 per month
CAD-Civil 3D	\$75 per week/\$250 per month
B&W Copies (over 50 sheets/day)	\$0.12 per sheet
Color Copies (over 15 sheets/day)	\$0.60 per sheet
Subcontractors	Cost plus 12%
Direct Expenses	Cost plus 10%
Other	Cost plus 12%
Per diem	Breakfast: \$8.00/day, Lunch: \$10.00/day, Dinner: \$20.00/day

			<b>Change Order</b>	<b>01</b>
Date of Issuance:	3/6/19	Effective Date:	3/11/19	
Owner:	MIDDD	Owner's Contract No.:	WWS-18-002F	
Engineer:	Wade Trim	Project No.:		
Project:	As-Needed Engineering	Contract Name:		

The Contract is modified as follows upon execution of this Change Order: Add \$75,000 to existing contract to provide as-needed engineering services at the direction of MCPWO Engineering staff. Updated hourly rate and fee schedule is attached.

The original [Contract Sum/Guaranteed Maximum Price] was \$ 75,000.00

The net change from previously approved Change Orders No. \_\_\_ to No. \_\_\_ : \$ 0.00

The [Contract Sum/Guaranteed Maximum Price] prior to this Change Order: \$ 75,000.00

The [Contract Sum/Guaranteed Maximum Price] prior to this Change Order will be [increased/decreased/unchanged] by: \$ 75,000.00

The new [Contract Sum/Guaranteed Maximum Price], including this Change Order, will be: \$ 150,000.00

The Contract Time will be [increased/decreased/unchanged by]: \_\_\_\_\_ (days)

The date of Substantial Completion as of the date of this Change Order, therefore, is: N/A

ACCEPTED:

By: \_\_\_\_\_  
Owner (Authorized Signature)

ACCEPTED:

By: \_\_\_\_\_  
Engineer (Authorized Signature)

Title \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

**Wade Trim Billing Rate Schedule  
Water Resources  
With Equipment Billed Separately  
Effective January 2019**

Labor Cost Classification Code	Classification Title	2019 Rate Per Hour
299	Professional Engineer V	\$ 205.00
298	Professional Engineer IV	\$ 185.00
297	Professional Engineer III	\$ 160.00
296	Professional Engineer II	\$ 140.00
295	Professional Engineer I	\$ 120.00
294	Engineer IV	\$ 145.00
293	Engineer III	\$ 125.00
292	Engineer II	\$ 105.00
291	Engineer I	\$ 90.00
246	Professional Planner III	\$ 140.00
245	Professional Planner II	\$ 120.00
244	Professional Planner I	\$ 105.00
243	Planner III	\$ 110.00
242	Planner II	\$ 80.00
241	Planner I	\$ 70.00
256	Prof. Landscape Architect III	\$ 150.00
255	Prof. Landscape Architect II	\$ 115.00
254	Prof. Landscape Architect I	\$ 100.00
253	Landscape Architect III	\$ 95.00
252	Landscape Architect II	\$ 85.00
251	Landscape Architect I	\$ 75.00
266	Professional Scientist III	\$ 140.00
265	Professional Scientist II	\$ 100.00
264	Professional Scientist I	\$ 85.00
263	Scientist III	\$ 110.00
262	Scientist II	\$ 75.00
261	Scientist I	\$ 60.00
286	Professional Surveyor III	\$ 140.00
285	Professional Surveyor II	\$ 115.00
284	Professional Surveyor I	\$ 105.00
283	Surveyor III	\$ 100.00
282	Surveyor II	\$ 90.00
281	Surveyor I	\$ 80.00
786	Survey Technician VI	\$ 125.00
785	Survey Technician V	\$ 105.00
784	Survey Technician IV	\$ 95.00
783	Survey Technician III	\$ 80.00



**Wade Trim Billing Rate Schedule  
Water Resources  
With Equipment Billed Separately  
Effective January 2019**

<b>Labor Cost Classification Code</b>	<b>Classification Title</b>	<b>2019 Rate Per Hour</b>
782	Survey Technician II	\$ 65.00
781	Survey Technician I	\$ 50.00
716	Construction Technician VI	\$ 140.00
715	Construction Technician V	\$ 115.00
714	Construction Technician IV	\$ 100.00
713	Construction Technician III	\$ 90.00
712	Construction Technician II	\$ 80.00
711	Construction Technician I	\$ 65.00
726	CADD Technician VI	\$ 115.00
725	CADD Technician V	\$ 105.00
724	CADD Technician IV	\$ 95.00
723	CADD Technician III	\$ 85.00
722	CADD Technician II	\$ 70.00
721	CADD Technician I	\$ 65.00
736	Engineering Specialist II	\$ 165.00
735	Engineering Specialist I	\$ 145.00
734	Engineering Technician IV	\$ 175.00
733	Engineering Technician III	\$ 100.00
732	Engineering Technician II	\$ 75.00
731	Engineering Technician I	\$ 60.00
756	Project Specialist III/Manager	\$ 170.00
755	Project Specialist II	\$ 145.00
754	Project Specialist I	\$ 105.00
753	Project Aide III	\$ 125.00
752	Project Aide II	\$ 90.00
751	Project Aide I	\$ 65.00
203	Senior Principal	\$ 270.00
202	Principal	\$ 265.00
201	Senior Professional	\$ 260.00

Outside expenses and subconsultants at cost times 1.15.

Special billing rates will apply in matters requiring expert witnesses or other consulting as it relates to legal matters.

**Reviewed and Revised Annually**

**Wade Trim Equipment Billing Schedule  
Effective January 2019**

Other Direct Costs	Rate
Survey Equipment	\$6.00/hour
Robotic Survey Equipment	\$15.00/hour
GPS Equipment	\$20.00/hour
Kaarta Hand Held Scanner	\$35.00/hour
Drone	\$100.00/hour
Manhole Lift Cover	\$10.00/hour
SSES - Includes Van and Standard Equipment	\$14.75/hour
SSES - Equipment (Van and Miscellaneous)	\$8.50/hour
Daily Vehicle Charge	\$76.33/day
Construction Vehicle	\$16.00/hour
Field Vehicle	\$0.63/mile
Troxler Nuclear Densometer	\$5.50/hour
Cylinder Breaking	\$12.00/cylinder
Concrete Testing Equipment	\$5.00/hour
Photocopies	\$0.10/copy
Color Copies	\$0.25/copy
Color Printer (per print)	\$0.15/print
OCE Printer	\$1.40/sheet
OCE Printer/Mylars	\$4.00/sheet
Travel	\$0.64/mile
IPAD	\$50.00/day
Laptop Computers	\$9.50/day
Flow Meter (single site)	\$275.00
Flow Meter (dual site)	\$550.00
Sampler (monthly)	\$500.00/monthly
Saximeter	\$12.00/hour
Rain Gauge	\$125.00/monthly
Recorder	\$150.00/monthly

**Reviewed and Revised Annually**

MACOMB INTERCEPTOR DRAIN 2/19/19 - 3/5/19

<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>	
Macomb Interceptor Drain	Chapter 20 Chesterfield - 6.9899% Clinton - 20.9164% Fraser - 4.1343% Harrison - 5.9902% Lenox - .8610% Macomb - 14.5180% New Haven - 8150% Shelby - 9.9241% Sterling Heights - 31.2761% Utica - 1.7244% Washington - 2.8507%	Administration						
			Manning	Bank of New York Mellon, N.A.	\$ 30,625.24	Invoice #19-067 - 02.08.19	Debt Service - SRF 5624	\$ 281,675.17
			Manning	Bank of New York Mellon, N.A.	\$ 476,268.37	Invoice #19-081 - 02.08.19	Debt Service - SRF 5487, 5540	\$ 32,381.17
			Astorino	CDW Government	\$ 5,693.56	Invoice #RBT3562 - 02.12.19	Sonicwall - SCADA Network	\$ 555,484.85
			Bantios	CH2M Hill Engineers, Inc.	\$ 21,284.52	Invoice #707997/CH005 - 02.15.19	Odor and Corrosion Study	\$ 551,734.25
			Astorino	City of Mount Clemens	\$ 14,076.15	Engineering Services - 12.29.18 - 01.25.19		\$ 13,552.50
			Bantios	Dr. Moie Incorporated	\$ 30,200.00	Invoice #28000281 - 02.05.19	Sewage Flow Billing - January	
			Astorino	Hubbell, Roth & Clark, Inc.	\$ 4,441.12	Invoice #18011-08 - 02.18.19	Project Plan Review	
			Astorino	Hubbell, Roth & Clark, Inc.	\$ 3,750.60	Services through 01.06.19 - 02.16.19	Task C Final Red Zone Review	
			Astorino	Hubbell, Roth & Clark, Inc.	\$ 1,135.00	Invoice #167848 - 02.13.19	Task D Updated Project Plan	
			Astorino	Johnson & Anderson	\$ 23,130.00	Engineering Services ending 01.26.19	Conversion of MCMARS to Bluewater	
			Astorino	Kienbaum Hardy Viviano Pelton & Forrest PLC	\$ 622.20	Invoice #42649 - 02.21.19	Legal Services - Lanzo, SCADA, Contracts	
			Astorino	Macomb County Dept. of Roads	\$ 402,569.50	Invoice #41566 - 02.07.19	Monthly Fuel	
			Astorino	Macomb County Treasurer	\$ 555.60	Invoice #301203 - 02.11.19	Reimbursement to Macomb County for MIDD Personnel 4th Quarter	
			Astorino	Premier Safety	\$ 799.62	Invoice #AR190123 - 02.05.19	Repair Confine Space Equipment	
			Astorino	Verizon	\$ 2,668.05	Invoice #04153789 - 02.07.19	Monthly Cell - 12.24.18 - 01.23.19	
			Clintondale P.S.		Astorino	Clinton Township Treasurer	\$ 3,200.00	Invoice #9822868514 - 01.23.19
Astorino	Doetsch Environmental Services	\$ 23,587.29			Invoice #19-056 - 01.31.19	Remove Ladder/Ragball		
Astorino	DTE Energy	\$ 1,644.50			Invoice #70584 - 02.19.19	Monthly Electric - 01.03.19 - 02.03.19		
Astorino	HESCO	\$ 3,100.00			Invoice #19-055 - 02.06.19	(2) Replacement level Sensors		
Astorino	Kennedy Industries	\$ 7,900.00			Invoice #20131091 - 01.31.19	Field Service - Motor & Pump Oil Changes		
Astorino	METCO Consulting Services	\$ 7,900.00			Invoice #608728 - 02.01.19	Stilling Wells Design & Inspection		
Astorino	METCO Consulting Services	\$ 7,900.00			Invoice #1717-03 - 12.06.18	Engineering Services - ending 02.03.19		

MACOMB INTERCEPTOR DRAIN 2/19/19 - 3/5/19

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance	
15 Mile Sinkhole		Bantios	Aloia & Associates, P.C.	\$ 617.50	Invoice #18201 - 02.01.19	Legal Services - Sinkhole		
		Bantios	Aloia & Associates, P.C.	\$ 680.92	Invoice #18204 - 02.01.19	Sale of 34980 Eberlein		
		Bantios	Anderson, Eckstein & Westrick, Inc.	\$ 20,224.58	Invoice #120913 - 02.15.19 Engineering Services 01.07.19 - 02.03.19	15 Mile Road Recovery Shaft		
		Bantios	Cortis Brothers Trucking	\$ 27,816.00	Invoice #7356 - 02.13.19	15 Mile & Hayes Emergency - Fraser to pay		
		Bantios	Cortis Brothers Trucking	\$ 9,297.00	Invoice #7367 - 02.25.19	Garfield Manhole Repair - Dan's		
		Bantios	Kienbaum Hardy Viviano Pleton & Forrest PLC	\$ 7,544.30	Invoice #41565 - 02.07.19 January 2019	Legal Services - Sinkhole		
	Meters		Astorino	DTE Energy	\$ 558.25	Invoice #19-086 - 02.20.19	Monthly Electric	
			Astorino	HESCO	\$ 1,375.00	Invoice #10369 - 02.12.19	CT-S-7 Meter Maintenance	
			Astorino	HESCO	\$ 17,780.00	Engineering Services - ending January 2019 Invoice #161024-27 - 02.13.19 Application #27	MID Meter Maintenance	\$ 227,960.00
			Bantios	NTH Consultants, Ltd.	\$ 34,560.05	Invoice #617368 - 01.31.19 Engineering Services - ending 01.25.19	Dropshaft & Connecting Sewer Rehab	\$ 258,082.74
NGI		Astorino	ASCO Power Services, Inc.	\$ 4,429.98	Invoice #1356929 - 02.12.19	NGI Generator Transfer Switch Repair		
		Astorino	DTE Energy	\$ 1,290.41	Invoice #19-048 - 01.30.19	Monthly Electric - 12.29.18 - 01.29.19		
		Astorino	Kennedy Industries	\$ 2,715.00	Invoice #608466 - 01.21.19	Annual Maintenance		
		Astorino	Wade Trim	\$ 1,237.50	Invoice #M2013689	Task 03 - Sluice Gates	\$ 32,468.50	
		Astorino	Wade Trim	\$ 2,982.50	Engineering Services - 12.29.18 - 01.25.19 Invoice #M2013940 - 02.27.19	Task 06 - NGI Pump Addition As-Needed Engineering Services	\$ 29,486.00	
		Astorino	Wade Trim	\$ 2,982.50	Engineering Services - 01.26.19 - 02.22.19	Task 03 - Sluice Gates Replacement Task 06 - NGI Pump Addition Task 07 - CFS Differential Pressure Switch		
OMID		Astorino	CDW Government	\$ 1,751.74	Invoice #RBT3562 - 02.12.19	Sonicwall		
		Manning	Oakland County Treasurer	\$ 1,495,653.40	Invoice #SDS0006251 - 02.01.19	Series 2010A, 2011 & 2013A Revolving Fund Loans and 2015 SAW Loan		
		Manning	Oakland County Treasurer	\$ 191,428.92	Invoice #SDS0006263 - 02.01.19	Series 2010B		
		Manning	Oakland County Treasurer	\$ 58,352.82	Invoice #SDS0006271	Series 2014A		
<b>Total</b>				\$ 2,937,547.19				

Budget to Actual  
MIDDD  
As of Feb 28, 2019 = 67%

DESCRIPTION	2019 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
<b>REVENUE ACCOUNTS</b>					
GLWA-OMID	52,458,900		30,553,838	21,905,062	58.2%
OMID O&M	2,391,427		1,195,717	1,195,710	50.0%
Reimbursements	125,000		375,343	(250,343)	300.3%
Grants/SRF Funding	500,000		281,415	218,585	56.3%
PY Revenue-Fund Balance	3,325,000			3,325,000	0.0%
Sale of Land	-		100,742	(100,742)	100.0%
Reimb-Local Communities	8,989,650		5,243,971	3,745,679	58.3%
Surplus	3,000,000			3,000,000	0.0%
Interest	30,000		162,290	(132,290)	541.0%
<b>Total Revenue Accounts</b>	<b>70,819,977</b>	<b>-</b>	<b>37,913,317</b>	<b>32,906,661</b>	<b>53.5%</b>
<b>EXPENSE ACCOUNTS</b>					
GLWA-OMID	52,458,900		30,616,389	21,842,511	58.4%
OMID O&M	2,391,427		1,394,998	996,429	58.3%
Public Works Wastewater Disposal Division	1,602,641		815,737	786,904	50.9%
Administration and Operations	288,653		163,039	125,614	56.5%
SCADA	151,626		68,482	83,144	45.2%
<b>Engineering</b>					
As Needed FTCH	75,000		37,397	37,603	49.9%
AS Needed CH2M	75,000		24,446	50,554	32.6%
As needed FK Engineering	75,000		19,238	55,762	25.7%
As Needed Wade Trim	75,000		36,411	38,589	48.5%
AS Needed Metco	75,000		2,264	72,736	3.0%
As Needed Applied Science	75,000		20,700	54,300	27.6%
Meter Dye Dilution Testing/As needed	100,000			100,000	0.0%
Engineering Design for MID repairs	1,000,000			1,000,000	0.0%
Drop Shaft Repairs(MA-S-2),CT-S-2, HR-S-2, ST-S-5,UT-S-1)	4,000,000			4,000,000	0.0%
SY-S-1 & SY-S-2 Meter Rehab	1,000,000		65,355	934,645	6.5%
System wide odor and corrosion study	500,000		130,931	369,069	26.2%
Lining Evaluation	-		24,861	(24,861)	100.0%
McMARS Operations	50,000		6,198	43,802	12.4%
SAW Engineering	625,000		34,288	590,712	5.5%
Bluewater	100,000			100,000	0.0%
Eng Meter Rehab Design(SYS-1 & SYS-2)	250,000			250,000	0.0%
Drop Shaft Repair	2,000,000		167,683	1,832,317	8.4%
Wastewater Master Plan/Contract Capacity	600,000		314,658	285,342	52.4%
Level Sensors/Pressure/H25	300,000			300,000	0.0%
<b>Legal Services</b>					
Clintondale PS O&M	550,000		259,646	290,354	47.2%
NGI O&M	371,000		105,079	265,921	28.3%
Meters O&M	330,000		134,105	195,895	40.6%
CS-3 O&M	52,000			52,000	0.0%
Biofilter O&M	304,500		7,838	296,662	2.6%
Contribution Life Cycle Reserve	171,700		85,850	85,850	50.0%
Sewage Disposal Charges - Mt. Clemens	200,000		106,428	93,572	53.2%
Debt Service - Revenue Bonds	572,530		286,265	286,265	50.0%
<b>Total Expense Accounts</b>	<b>70,819,977</b>	<b>-</b>	<b>35,074,487</b>	<b>35,745,490</b>	<b>49.5%</b>

	O&M Balance 6/30/2018	O&M	Total 2/28/2019
Cash - Operating	24,259,763	2,838,829	27,098,592
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		37,913,317	37,913,317
Expenditures		35,074,487	35,074,487
			0
Equity*	24,259,763		27,098,592

Detail of 2018 Equity\*

Projected reserve at 6/30/2018	15,675,763
Projected Engineering Reserve	3,250,000
Projected Sinkhole Surplus	4,800,000
Life Cycle Reserve	534,000
Use of surplus for 18/19	(3,000,000)

Dec 2016 Sinkhole

Revenue	75,660,673
Expenditures	71,473,605
Net	<u>4,187,068</u>