

EIGHT AND ONE-HALF MILE RELIEF DRAIN
INTRA-COUNTY DRAINAGE BOARD
JUNE 12, 2023
10:15 A.M.
AGENDA

**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE
OPTION FOR PUBLIC**

**Call in Number: 1-224-990-0182
Access Code: 927 405 823**

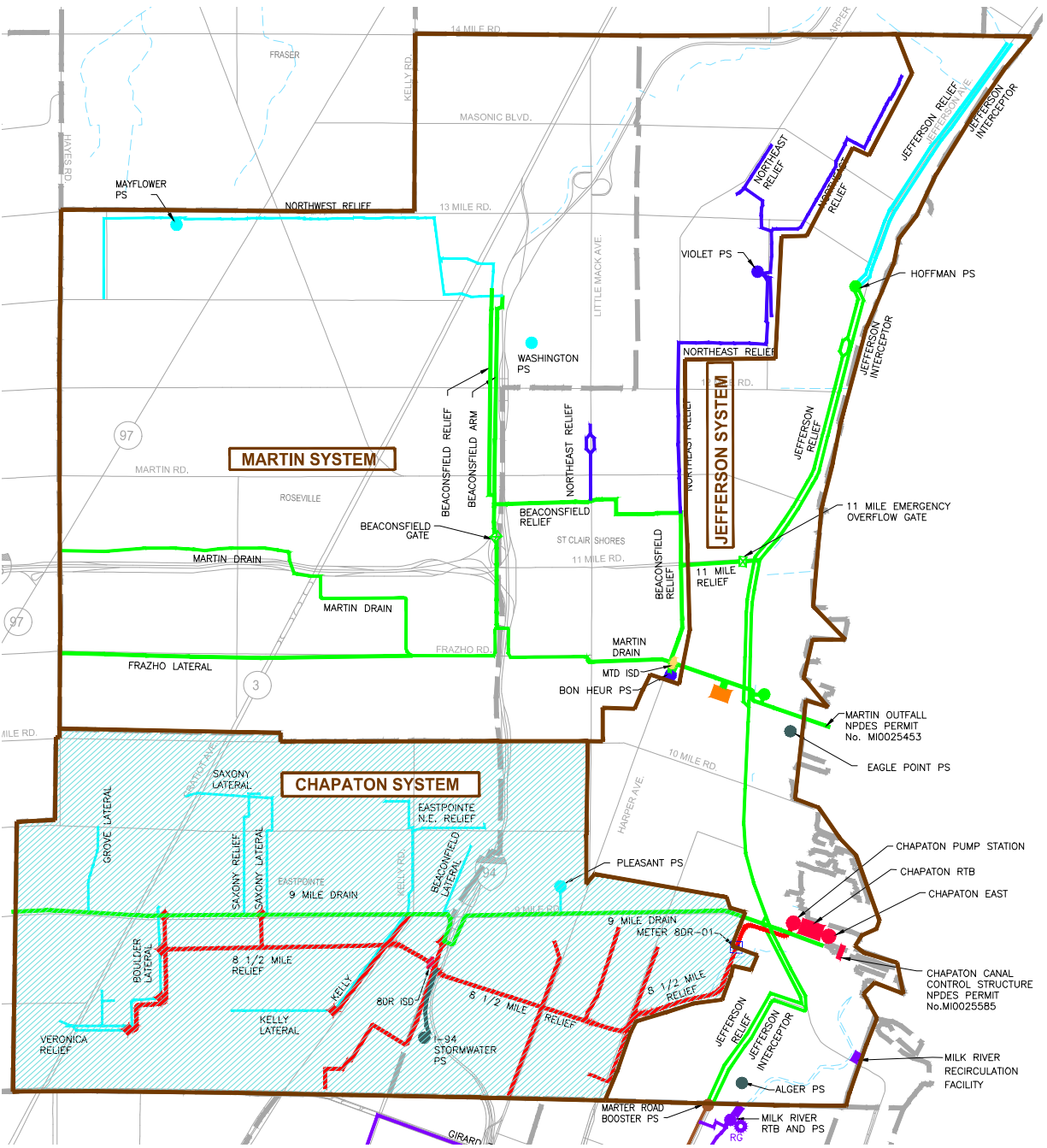
	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for June 12, 2023	
3. Approval of Minutes for May 15, 2023	3
4. Public Participation	
5. Project & Operational Updates – Vince Astorino	6
6. Chapaton RTB Canal Rehabilitation Construction – Vince Astorino	17
Motion: To award the bid for the Chapaton RTB Canal Rehabilitation Construction to Z Contractors, Inc. in the amount of \$27,374,710.	
7. Chapaton RTB Canal Rehabilitation Construction Contract Administration (CCA) – Vince Astorino	27
Motion: To approve the proposal from Wade Trim Associates, Inc. for an amount Not to exceed \$1,999,930 for Construction Contract Administration services for the Canal Rehabilitation Project.	
8. Chapaton Electrical Upgrades Construction – Vince Astorino	31
Motion: To award the bid for the Chapaton Electrical Upgrades to Rotor Electric for an amount not to exceed \$14,650,000.	
9. Chapaton Pump Station Painting – Lower Levels – Vince Astorino	36
Motion: To approve the quote from GVC Painting Co. Inc for painting of the Chapaton Pump Station two lower levels for an amount not to exceed \$37,210.	
10. Consideration for approval of invoices (see attached)	42
11. Financial Report – Bruce Manning	43
12. Adjourn	

Hard copy is intended to be 8.5"x11" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

CHAPATON SYSTEM MAP

Macomb County, MI

Southeast Macomb Sanitary District Wastewater Master Plan



SYSTEM LEGEND

(AS OF DATE OF PUBLICATION)

- SYSTEM BOUNDARY

DISTRICT LEGEND

(AS OF DATE OF PUBLICATION)

- 8 1/2 MILE RELIEF DRAIN DRAINAGE DISTRICT
- SOUTHEAST MACOMB COUNTY WASTEWATER DISPOSAL SYSTEM
- MARTIN SANITARY DIVERSION DISTRICT
- SOUTHEAST MACOMB SANITARY DISTRICT
- NORTHEAST SEWAGE DISPOSAL SYSTEM
- MILK RIVER INTERCOUNTY DRAIN DRAINAGE DISTRICT
- LOCAL MUNICIPALITY
- OTHER

ASSET LEGEND

- PUMP STATION
- FLOW CONTROL STRUCTURE
- RTB
- GRAVITY INTERCEPTOR
- IN-SYSTEM STORAGE DEVICE
- OVERFLOW POINT
- LEVEL SENSOR
- RAIN GAUGE
- FLOW METER

PLOT INFO: Z:\2018\181053\CAD\PRECED\SEMSD_OVERALL.DWG_LAYOUT: FIG 3-6_CHAPATON SYS DATE: 7/20/2021 TIME: 1:33:59 PM USER: WESEDK1

PROJECT NO.
181053

3.6

An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham Clinton Township, Michigan on May 15, 2023, at 10:07 A.M.

PRESENT: Candice S. Miller, Chair
Sarah Lucido, Member

EXCUSED: Bryan Santo, Member

ALSO PRESENT: Daniel Acciavatti, Deputy Government Relations; Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Stephen Downing, Construction and Maintenance Manager; Norb Franz, Communications Manager; Bruce Manning, Finance Manager; Pam Sonnenberg, Administrative Assistant; Don VanSyckel, Board of Commissioners

PRESENT VIA TELECONFERENCE: Tom Stockel, Construction Supervisor

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

Adopted: YEAS: 2
NAYS: 0

Minutes of the meeting of April 10, 2023 were presented. A motion was made by Ms. Lucido, 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.

Mr. Astorino stated that there was one wet weather event in the past month. It was a carryover from the March 31st event. We were unable to dewater and when we received .87 inches of rain, it was enough to trigger us to spill 3.4 MG of treated discharge. Water quality numbers were great but we are required to report the 1 count. The April 29th event we were able to store, and there was no need to discharge.

The In-System Storage project continues. We are getting the foundation set for the control building that will be there. Mr. Astorino presented photos to show some digging and work being done there. Ms. Miller asked if we were still on schedule to get online by the end of the year. Mr. Astorino said that we are on track to have the roads re-opened by the end of the year. There is a little slippage in schedule but not much. Ms. Lucido said one thing that she noticed is that it wasn't affecting anyone's driveway which is good. Ms. Miller said that the people on the street are not complaining because there's been less traffic while the construction is going on. She said that they have been very accommodating.

A motion was made by Ms. Lucido, supported by Ms. Miller to receive and file the project updates.

Adopted: YEAS: 2
NAYS: 0

Mr. Astorino presented on Chapaton Canal Rehabilitation design. Because the decision was made to not proceed with the 9 Mile Pump Station project, numerous components from that project were incorporated into the Chapaton Canal Rehabilitation. We have preserved the 9-Mile Emergency bypass, made modifications to the East building outfall to account for future flow through the basin and to allow for the lowering of the canal invert, and conducted additional hydraulic analysis. Additional design work for an 11-acre storm sewer separation along 9 Mile Road and a decorative screening wall design along the north property line were added. Upon approval, MCPWO will issue a change order to Wade Trim to their existing contract.

A motion was made by Ms. Lucido, supported by Ms. Miller to approve the proposal from Wade Trim for additional design services totaling \$132,085 for the Canal Rehabilitation project.

Adopted: YEAS: 2
NAYS: 0

The Chapaton RTB Flushing System is a requirement under the National Pollution Discharge Elimination System permit. The original facility had a flushing system installed which was inadequate to properly flush the RTB. A new system was installed in the late 1970's and has reached the end of its useful life. We were taking components from the Martin Basin because a lot of the valves are the same and as the valves fail, we replace them. We put the design out for bid and have received two proposals, from Jacobs and from Wade Trim. Both proposals were viewed by MCPWO engineering staff and were reviewed strictly on the proposing firms' technical proposals. Costs were not looked at until all technical scores were submitted. Jacobs had a score of 97.16. Wade Trim scored slightly lower at 94.84. We then looked at costs. Wade Trim was significantly lower at \$270,350 while Jacobs cost was \$599,781. Both are qualified to do the work but it ultimately came down to cost.

A motion was made by Sarah Lucido, supported by Ms. Miller to approve the proposal from Wade Trim for a not to exceed amount of \$270,350 for the design of the Chapaton Flushing Improvements project.

Adopted: YEAS: 2
NAYS: 0

The Chair presented the invoices totaling \$431,677.93 to the board for review and approval.

A motion was made by Ms. Lucido, 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 Ms. Lucido and supported by Ms. Miller.

Adopted: YEAS: 2
NAYS: 0

There being no further business, it was moved by Ms. Lucido, supported by Ms. Miller, that the meeting of the Eight and One-Half Mile Relief Drain Board be adjourned.

Adopted: YEAS: 2
NAYS: 0

The meeting was adjourned at 10:27 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 May 15, 2023 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: 05/15/23



Candice S. Miller

Public Works Commissioner
Macomb County

To: 8 ½ Mile Relief Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: June 12, 2022

Subject: Construction Projects Status Updates for the June 2023 Board Meeting

The following provides a status update for construction work completed within the 8 ½ Mile Relief Drain Drainage District (8MRDDD) for the previous month.

Wet Weather Operations

No wet weather events for the past month.

Chapaton In-System Storage Project

Contractor: Weiss Construction

Engineering Consultant: Tetra Tech

Project Description:

The primary focus of the project is the construction of an access shaft and installation of the In-System Storage Device at Beaconsfield and Oak in Eastpointe. This project will achieve an additional 3.5 million gallons of storage within the 8.5 Mile Relief tunnel.

Significant project tasks that have occurred over the past month:

1. Submittals are being received and processed by the engineering team.
2. Construction activities per Update Period:
 - Continued staging construction materials delivered & stored along Beaconsfield greenbelt.
 - Maintained secured work site with swing gates and privacy fence screening at construction sites.
 - Continued Beaconsfield site vibration and sensor monitoring and documentation during and shaft construction as required.

- Continued dewatering and maintaining adequate working conditions within the interior of the Beaconsfield shaft as necessary.
- Placed low strength concrete mat for 11ft tunnel bypass and proposed gate structures within the Beaconsfield shaft as required.
- Poured in place number 3 of 6 high strength concrete foundation support below 11ft tunnel at the Beaconsfield site as designed.
- Removed temporary support timbers under 11ft tunnel at east wall and placed low strength concrete mat as required.
- Installed precast concrete access structures & hatches, each located at the Kelly Road and Gaukler Street work sites as required.
- Removed existing vented manhole and replaced with bolted cover manhole casting located within easement at O’Conner Street as required.
- Poured in place high strength concrete floor for the inflatable gate control building at the Beaconsfield location as designed.

3. Construction look ahead:

- Continue deliveries of construction materials along Beaconsfield greenbelt.
- Continue Beaconsfield site vibration monitoring & documentation.
- Continue to remove temporary timber supports under existing 11ft tunnel and place high strength concrete support foundations per engineered sequence within the Beaconsfield shaft as required.
- Excavate and install precast concrete vault for proposed odor control at the Kelly Road site as designed.
- Install CMU block and brick veneer for the proposed inflatable dam Control Building at Beaconsfield as designed.

Construction Costs:

	Date (if applicable)	Amount
Original Contract Amount		\$9,673,200.00
Change Order #1	9/15/22	\$269,666.49
Revised Contract Amount		\$9,942,866.49
Total Spent to Date	Pay Apps. #1 - 14	\$4,348,086.89
Remaining Budget		\$5,594,779.60

Figure 1 – Control Bldg. below Floor Electrical & Mechanical @ Beaconsfield



OFFICE LOCATION: 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

Figure 2 – Placing Concrete Control Bldg. floor @ Beaconsfield



Figure 3 – Precast Access Structure Delivery @ Kelly Rd.



Figure 4 – Installing Access Structure @ Kelly Rd.



Figure 5 – Excavation under Tunnel @ East wall of Beaconsfield Shaft



Figure 6 – Placing Concrete via Chute South side of Tunnel @ Beaconsfield



Figure 7 – Placing Concrete via Hopper at North side of Tunnel @ Beaconsfield



Figure 8 – 11FT Tunnel Facing East @ Beaconsfield Rd. Shaft



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Figure 9 – Drone Aerial at 100 FT



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Candice S. Miller

Public Works Commissioner
Macomb County

To: 8-1/2 Mile Relief Drain Drainage District Board Members

CC: File

From: Vince Astorino, Operations Director

Date: June 12, 2023

Subject: Chapaton RTB Canal Rehabilitation – Contractor Award

The Macomb County Public Works Office (MCPWO) has continued to work towards finding solutions to reduce treated combined sewer overflows (CSO) and improve water quality within Lake St. Clair. The first project that was established to reduce treated CSO's was to expand the existing open-air canal which would have reduced average annual overflow volumes up to 60%. Unfortunately, this project was rejected by EGLE mainly due to MCPWO requesting to take additional waters of the State.

Starting in early 2022 and following Board authorization, MCPWO staff re-engaged Wade Trim, the designer of the original expansion project, to evaluate, design, and prepare bid documents for a re-envisioned project that focused on the much-needed rehabilitation components that weren't completed as part of the rejected expansion project. These rehabilitation components generally consist of the following:

- Construction of new Outfall Structure that will open from the top – down.
- Raising the sides of the canal above the 500-year flood elevation of 579.4'
- Installation of a direct flushing pipe to the lake to reduce treatment costs of lake water.
- Proper abandonment of the 9 Mile Drain adjacent to the canal

Throughout design MCPWO and Wade Trim collaborated with EGLE, the US Army Corps of Engineers, and the City of St. Clair Shores to ensure that a compliant design was prepared and would ultimately be permittable.

Following the completion of the detailed plans and specifications the project was publicly advertised on MITN. On June 1, 2023, MCPWO received the two (2) lump sum bids as follows:

- Z Contractors, Inc. – \$ 27,374,710.00
- Kokosing Industrial, Inc. – \$ 38,507,000.00

The bid package also included two alternates. Alternate 1 was to deduct the cost of a 6'-high precast screening wall on the northerly property line. The screening wall was proposed as a starting point for a final design solution on this property line. Staff thought it would be beneficial to see this pricing separately should there be a different option pursued. Alternate 2 was requested to receive a true cost comparison between

contractor provided insurance and the owners-controlled insurance policy. Obtaining pricing for both Alternates was beneficial, but staff is recommending to reject both at this time.

MCPWO staff and Wade Trim reviewed the documents submitted by both bidders and conducted a post-bid meeting with Z Contractors. This meeting was productive and Z indicated they are comfortable with their bid price, schedule, and strict sequencing requirements of the project.

MCPWO staff is recommending to award the contract to Z Contractors, Inc. in the total base bid amount of \$27,374,710.00 to perform the work associated with the Chapaton RTB Canal Rehabilitation.

MCPWO staff is confident that Z Contractors will be able to complete this project. Upon board approval, MCPWO staff will coordinate with Z Contractors to finalize the contract. A separate proposal from Wade Trim for construction contract administration (CCA) services has been presented under separate cover.

Attachments: Wade Trim Recommendation Letter Dated 06-05-23
Z Contractors Bid Form Dated 06-01-23



Wade Trim Associates, Inc.
25251 Northline Road • Taylor, MI 48180
734.947.9700 • www.wadetrim.com

June 5, 2023

Macomb County Public Works Office
21777 Dunham Road
Clinton Township, MI 48036

Attention: Mr. Steve Wagner

Re: Chapaton RTB Canal Rehabilitation
8½ Mile Relief Drain Drainage District

Dear Mr. Wagner:

On Thursday, June 1, 2023, bids were received by the Macomb County Public Works Office and opened for the above-referenced project. The bids are summarized as follows:

1. Z Contractors, Inc. – \$27,374,710.00
2. Kokosing Industrial, Inc. – \$38,507,000.00

A bid tabulation is enclosed for your use. As part of the Bid Documents, Z Contractors, Inc. and Kokosing Industrial, Inc. submitted and we received the following items with their bid:

1. Bid Bond
2. Proposed Subcontractor Form
3. Qualification Statement
4. Schedule of Current Projects
5. Key Individuals Resume
6. Financial Statement
7. OCIP Acknowledgement Form

Wade Trim has reviewed the qualifications of both companies and participated in a pre-award project review meeting with Z Contractors. We believe that Z Contractors, Inc. is capable of performing the work of this contract. Therefore, we recommend award of the Chapaton RTB Canal Rehabilitation project to Z Contractors, Inc. in the amount of \$27,374,710.00.

If you have any questions in your review, please contact our office.

Very truly yours,

Wade Trim Associates, Inc.

A handwritten signature in blue ink, appearing to read 'John J. Arvai', is written over the typed name and title.

John J. Arvai, PE
Senior Vice President

JJA:jlb
MCW 2006-01T
MCW2006\01T\DOCS\CORRES\20230605_WAGNER-CHAPATONRTBCANALREHABAWARD LETTER.DOCX
Enclosure



Tabulation of Bids

**Chapaton RTB Canal Rehabilitation
Monday, June 5, 2023**

BASE BID ITEMS

<u>Item No.</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Z Contractors</u>	<u>Kokosing Industrial</u>
				<u>Amount</u>	
Phase 1					
1	General Conditions. Mobilization & Indirect Costs	1	LS	\$2,500,000.00	\$5,600,000.00
2	Sheeting	1	LS	\$5,800,000.00	\$11,100,000.00
3	Earthwork	1	LS	\$3,500,000.00	\$3,325,000.00
4	Crest Gate Control Structure, Building, & Emergency Bypass	1	LS	\$4,252,000.00	\$2,820,000.00
5	Outfall/Screening Structure Extension, Complete	1	LS	\$3,200,000.00	\$1,200,000.00
6	Flushing Intake Line, Complete	1	LS	\$760,000.00	\$775,000.00
7	Fabricated Stainless Steel Slide Gates	1	LS	\$90,000.00	\$875,000.00
8	Storm Sewer & 9-Mile Drain Abandonment	1	LS	\$1,100,000.00	\$800,000.00
9	Electrical Improvements, Equipment, and Instrumentation	1	LS	\$750,000.00	\$1,050,000.00
10	Demolish Existing Gate Structure	1	LS	\$150,000.00	\$560,000.00
11	Site Demolition, Improvements, & Restoration	1	LS	\$400,000.00	\$3,715,000.00
12	All Other Work not Included in 1 thorough 11	1	LS	\$1,800,000.00	\$2,579,290.00
13	Lump Sum Cash Allowance Total	1	LS	\$812,710.00	\$812,710.00
13a	LSCA 1 - Obermeyer Hydro Inc.	1	LS	\$509,600.00	\$509,600.00
13b	LSCA 2 - MCET Panel & Integration	1	LS	\$178,110.00	\$178,110.00
13c	LSCA 3 - Permits	1	LS	\$25,000.00	\$25,000.00
13d	LSCA 4 - DTE Allowance	1	LS	\$100,000.00	\$100,000.00
Phase 1 Subtotal				\$25,114,710.00	\$35,212,000.00
Phase 2					
1	Roadway Demolition	1	LS	\$150,000.00	\$225,000.00
2	Storm Sewer Separation (excluding Cortech Unit)	1	LS	\$500,000.00	\$450,000.00
3	Vortech Unit	1	LS	\$75,000.00	\$100,000.00
4	Water Main Improvements, Complete	1	LS	\$710,000.00	\$1,400,000.00
5	Roadway Paving	1	LS	\$660,000.00	\$1,080,000.00
6	Restoration	1	LS	\$65,000.00	\$40,000.00
7	All Other Work not Included in 1 through 6	1	LS	\$100,000.00	\$0.00
Phase 2 Subtotal				\$2,260,000.00	\$3,295,000.00
TOTAL BASE CONTRACT PRICE				\$27,374,710.00	\$38,507,000.00

BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

- 1.01 This Bid is submitted to: **8-1/2 Mile Relief Drain Drainage District**
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

- 2.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security;
 - B. List of Proposed Subcontractors;
 - C. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such authority within the time for acceptance of Bids;
 - D. Contractor's license number as evidence of Bidder's State Contractor's License or a covenant by Bidder to obtain said license within the time for acceptance of Bids;
 - E. Required Bidder Qualification Statement with supporting data;
 - F. Required Contractor's OCIP Acknowledgement Form

ARTICLE 3—BASIS OF BID—LUMP SUM BID

- 3.01 *Lump Sum Bids*
- A. Bidder will complete the Work in accordance with the Contract Documents for the following lump sum (stipulated) price(s):
- 1. Lump Sum Price (Single Lump Sum)

Lump Sum Bid Price (figures)	\$ 27,379,710.00
Lump Sum Bid Price (words)	Twenty Seven Million Three hundred Seventy Four Thousand Seven Hundred Ten

- 2. The Lump Sum Bid Price set forth above includes and is comprised of the following divisions of the proposed Work:

Item No.	Description	Amount
Phase 1		
1-1	General Conditions, Mobilization, & Indirect Costs	\$ 2,500,000.00
1-2	Sheeting	\$ 5,800,000.00
1-3	Earthwork	\$ 3,500,000.00
1-4	Crest Gate Control Structure, Building, & Emer. Bypass	\$ 4,252,000.00
1-5	Outfall/Screening Structure Extension, Complete	\$ 3,200,000.00
1-6	Flushing Intake Line, Complete	\$ 760,000.00
1-7	Fabricated Stainless Steel Slide Gates	\$ 90,000.00
1-8	Storm Sewer & 9-Mile Drain Abandonment	\$ 1,100,000.00
1-9	Electrical Improvements, Equipment, and Instrumentation	\$ 750,000.00
1-10	Demolish Existing Gate Structure	\$ 150,000.00
1-11	Site Demolition, Improvements, & Restoration	\$ 400,000.00
1-12	All other Work not included in 1-1 through 1-11	\$ 1,800,000.00
1-13	Lump Sum Cash Allowance Total (see table below)	\$ 812,710.00
Phase 1 Subtotal:		\$ 25,114,710.00

Phase 2		
2-1	Roadway Demolition	\$ 150,000.00
2-2	Storm Sewer Separation (excl. Vortech Unit)	\$ 500,000.00
2-3	Vortech Unit	\$ 75,000.00
2-4	Water Main Improvements, Complete	\$ 710,000.00
2-5	Roadway Paving	\$ 660,000.00
2-6	Restoration	\$ 65,000.00
2-7	All other Work not included in 2-1 through 2-6	\$ 100,000.00
Phase 2 Subtotal:		\$ 2,260,000.00

- B. All specified cash allowance(s) are included in the price(s) set forth below, and have been computed in accordance with Paragraph 13.02 of the General Conditions.

Lump Sum for Cash Allowance 1 – Obermeyer Hydro, Inc. (See Exhibit I)	\$ 509,600.00
Lump Sum for Cash Allowance 2 – MCET Panel & Integration (See Exhibit II)	\$ 178,110.00
Lump Sum for Cash Allowance 3 – Permits	\$ 25,000.00
Lump Sum for Cash Allowance 4 – DTE Allowance	\$ 100,000.00
Lump Sum Cash Allowance Total (Item No. 1-13 Above):	\$ 812,710.00

- C. Alternates (Refer to specification Section 01 23 00)

Alternate 1 – Elimination of 6'-high Precast Concrete Screen Wall [Deduct]	\$ 450,000.00
Alternate 2 – Elimination of OCIP requirement [Add] [Deduct] (circle one)	\$ 93,800.00

ARTICLE 4—TIME OF COMPLETION

- 4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

EJCDC® C-410, Bid Form for Construction Contract.

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ARTICLE 5—BIDDER’S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

5.01 *Bid Acceptance Period*

- A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

5.02 *Instructions to Bidders*

- A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 *Receipt of Addenda*

- A. Bidder hereby acknowledges receipt of the following Addenda: **[Add rows as needed. Bidder is to complete table.]**

Addendum Number	Addendum Date
Addendum No. 1	05/10/2023
Addendum No. 2	05/18/2023
Addendum No. 3	05/26/2023

ARTICLE 6—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS

6.01 *Bidder’s Representations*

- A. In submitting this Bid, Bidder represents the following:
 - 1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
 - 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 - 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
 - 4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
 - 5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
 - 6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and

procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.

7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 *Bidder's Certifications*

- A. The Bidder certifies the following:
 1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
 2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
 3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
 4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
 - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
 - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
 - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

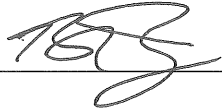
BIDDER hereby submits this Bid as set forth above:

Bidder:

Z Contractors, Inc.

(typed or printed name of organization)

By:



(individual's signature)

Name:

Blake Zapczynski

(typed or printed)

Title:

President

(typed or printed)

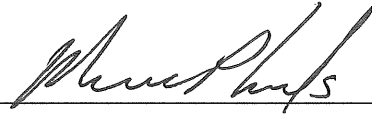
Date:

June 1, 2023

(typed or printed)

If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.

Attest:



(individual's signature)

Name:

Michael Phelps

(typed or printed)

Title:

Vice President

(typed or printed)

Date:

June 1, 2023

(typed or printed)

Address for giving notices:

50500 Design Lane

Shelby Township, MI 48315

Bidder's Contact:

Name:

Blake Zapczynski

(typed or printed)

Title:

President

(typed or printed)

Phone:

586-625-8899

Email:

bzap@z-contractors.com

Address:

50500 Design Lane

Shelby Township, MI

48315

Bidder's Contractor License No.: (if applicable)

N/A

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Candice S. Miller

Public Works Commissioner
Macomb County

To: 8-1/2 Mile Relief Drain Drainage District Board Members

CC: File

From: Vince Astorino, Operations Director

Date: June 12, 2023

Subject: Chapaton RTB Canal Rehabilitation – Consultant CCA Recommendation

The Macomb County Public Works Office (MCPWO) solicited bids on the Michigan Inter-governmental Trade Network (MITN) for the construction of the Chapaton RTB Canal Rehabilitation. The project proposes to complete the much-needed rehabilitation components that were part of the original Canal Expansion project that was rejected by EGLE.

Under separate cover, MCPWO staff has recommended the award of the construction contract to the low-bidder, Z Contractors, Inc., for a base lump sum amount of \$27,374,710.00.

Wade Trim Associates Inc., the designer of the project, has prepared a proposal for construction contract administration (CCA) services to perform full-time inspection and administer the project from start to finish. Wade Trim proposes the same subconsultant team from the design phase consisting of NTH Consultants, ASI, and Fishbeck. MCPWO staff will also be heavily involved throughout construction and will assist whenever possible to help manage oversight costs.

MCPWO staff is confident that Wade Trim will be able to perform the work for the proposed fee. Additionally, the proposed CCA fee is consistent with typical percent-of-construction fees for a project of this size and complexity.

MCPWO staff is recommending that the Board approve the proposal from Wade Trim Associates, Inc. for the total not-to-exceed amount of \$1,999,930.00 to provide construction contract administration services as outlined in their proposal.

Upon approval, MCPWO staff will prepare a change order to the current design contract with Wade Trim dated 02/25/2019 for final execution by the Board Chair.

Attachments: Wade Trim CCA Proposal & Matrix Dated 06-05-23

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



June 5, 2023

Macomb County Public Works Office
21777 Dunham Road
Clinton Township, MI 48036

Attention: Mr. Steven Wagner, PE

Re: 8-1/2 Mile Drain Drainage District
Chapaton RTB Canal Rehabilitation
Construction Phase Services

Dear Mr. Wagner:

Wade Trim Associates, Inc. (WT) is pleased to submit our proposal to perform professional construction phase services for the Chapaton RTB Canal Rehabilitation project. WT will provide project management, construction administration, engineering, and full-time observation services during the construction phase of the project. WT will continue to utilize its subconsultants (NTH Consultants, Applied Science, and Fishbeck) through this construction phase.

Scope of Work

We propose the following Scope of Work:

A. Project Management:

- Prepare for and attend construction kickoff meeting.
- Prepare for and attend monthly progress meetings and prepare meeting minutes. We have assumed 23 monthly progress meetings.
- Project invoicing and other project administrative duties.

B. Construction Contract Administration:

- Provide part-time Construction Contract Administrator during the construction phase. We have assumed 2,200 hours for this Administrator.
- Correspondence with MCPWO and the Contractor regarding construction-related matters.
- Review and comment on Contractor-provided progress schedules.
- Review and provide input on all Contractor Applications for Payment. We have assumed 24 Contractor Applications for Payment.
- Provide limited construction survey layout, general benchmark setting.
- Review material quality testing results performed and provided by the Contractor.
- Evaluate and respond to Contractor Change Order requests. We have assumed 15 Change Order requests.
- Support punch list development at project closeout.
- Review contractor as-built drawings.

C. Field Observation:

- Provide a full-time onsite Resident Project Representative (RPR) during the construction phase. We have assumed 4,160 hours.
- Observe construction activity by the Contractor and prepare Observation Daily Reports (ODR).
- Take photographs of work to capture Contractor progress.

D. Engineering Services:

- Review Contractor submittals required by the contract. We have assumed 100 submittals.
- Review Contractor Requests for Information (RFIs). We have assumed 50 RFIs.
- Complete Phase 1 record drawings from records provided by the Contractor.
- Subconsultant attendance at meetings will be limited. Subconsultants will attend onsite meetings if required and will not attend regular monthly progress meetings.

Project Schedule

Our proposal is based on the Contractor adhering to the 730-day construction phase duration, working typical 8-hour days for substantial completion. A Contractor schedule has not yet been provided.

Estimate Project Budget

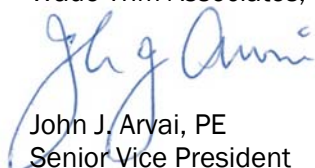
Based on the detailed Scope of Work presented herein and the project schedule discussed above, WT has identified a level of effort and budget estimate of **\$1,999,930** to complete the above tasks based on attached cost breakdown matrix.

These fees have been estimated for budget purposes associated with construction phase services detailed above. WT will proceed with construction phase services on a Time and Materials Basis up until the estimated budget has been reached. After such time, should it occur, WT will review additional effort and associated fees needed to continue our services for the remainder of the construction phase.

Wade Trim looks forward to working with MCPWO on the construction phase of this project. If you have any questions or require further information, please do not hesitate to contact us at 313.961.3650.

Very truly yours,

Wade Trim Associates, Inc.



John J. Arvai, PE
Senior Vice President

JJA:jlb

MCW 2006-01T

MCW2006/01T/DOCX/CORRES/20230605_WAGNER-CHAPATONRTBCANALREHABCONSTRLTR.DOCX

Enclosure



Price Proposal

MCPWO-WWS-2019-002

6/5/2023

CHAPATON RTB CANAL REHABILITATION

Bill Rate	\$ 285	\$ 285	\$ 225	\$ 185	\$ 165	\$ 140	\$ 160	\$ 110	\$ 225	\$ 165	\$ 195	\$ 200	\$ 215	\$ 125	\$ 100	\$ 120	\$ 100	\$ 95			
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Proj Area

SUBMITTED TO: Macomb County Public Works Office

PROJECT PHASES/TASKS DESCRIPTION	Total Labor Hours	PM - Sr. Professional - Arvai	Sr. Professional - White, Prenger, Wagonmaker, Kalinowski, Stanley	Prof. Engineer IV - Staff	Prof. Engineer III - Staff	Prof. Engineer II - Staff	Prof. Engineer I - Staff	Engineer IV - Westhoff, Barko	Engineer III - Obrycki	Project Specialist V - Diponio	Prof. Surveyor III - Bliss	Survey Crew - Staff	Sr. LA - Loutzenheizer	Construction Administrator - Abar	Resident Project Rep - Sexton	LA Staff	CADD Tech V - Staff	CADD Tech III - Staff	Project Admin - Staff	Labor	Sub / ODC / Expense	Task Pricing Totals
	10484	600	1156	0	0	832	0	80	136	200	8	40	8	2200	4160	0	24	240	800			

TASK 5 - CONSTRUCTION SERVICES

Wade Trim																							
Project Management	380	380																			\$ 108,300	\$ 6,250.00	\$ 114,550
Construction Contract Administration	3440	180	60							200				2200					800		\$ 662,400	\$ 24,900.00	\$ 687,300
Field Observation	4208										8	40			4160						\$ 529,120	\$ 41,600.00	\$ 570,720
Engineering Services	2456	40	1096			832		80	136				8				24	240			\$ 517,280	\$ 3,850.00	\$ 521,130
Subconsultants																							
NTH	0																				\$ -	\$ 35,900.00	\$ 35,900
Applied Science	0																				\$ -	\$ 44,624.00	\$ 44,624
Fishbeck	0																				\$ -	\$ 17,000.00	\$ 17,000
Sub - Totals	10484	600	1156	0	0	832	0	80	136	200	8	40	8	2200	4160	0	24	240	800	\$ 1,817,100	\$ 174,124	\$ 1,991,224	

Bill Rate	\$ 285	\$ 285	\$ 225	\$ 185	\$ 165	\$ 140	\$ 160	\$ 110	\$ 225	\$ 165	\$ 195	\$ 200	\$ 215	\$ 125	\$ 100	\$ 120	\$ 100	\$ 95				ODC	\$ 174,124
	\$ 171,000	\$ 329,460	\$ -	\$ -	\$ 137,280	\$ -	\$ 12,800	\$ 14,960	\$ 45,000	\$ 1,320	\$ 7,800	\$ 1,600	\$ 473,000	\$ 520,000	\$ -	\$ 2,880	\$ 24,000	\$ 76,000	\$ 1,817,100			5% Sub Mark Up	\$ 8,706

Rates may be updated on an annual basis.

TOTAL \$ 1,999,930



Candice S. Miller

Public Works Commissioner
Macomb County

To: 8 ½ Mile Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations Director

Date: June 2, 2023

Subject: Chapaton Electrical Upgrades Construction Recommendation

The Chapaton Pump Station (PS) was constructed in 1968 and the majority of the equipment within the facility is original to the facility and has reached the end of its useful life. As part of the MCPWO planning process a capital improvement plan (CIP) was developed several years ago and one of the key projects identified was to replace the main electrical switchgear and storm pump electrical starters within the building. In the past 4 years of operation there have been 3 electrical fires at the Chapaton PS and therefore this project was elevated to the number one priority project.

In 2020, MCPWO started the process to design the 9 Mile Pump Station (PS), which was going to address electrical needs at the Chapaton PS. This project has since been put on hold indefinitely due to the bids that were received for construction. Since the design was mostly done as part of the 9 Mile PS by Tetra Tech, MCPWO was able to have Tetra Tech modify the design to a stand alone Chapaton Electrical Upgrades project at a low cost. That design was completed on time and under budget.

This project currently consists of installing five 2 MW generators and all associated synchronous gear, new motor starters for each of the three stormwater pumps, new 15 kV switchgear to replace the obsolete unit, and a complete motor rebuild for storm pump 2. Currently if the DTE substation outside of the Chapaton PS was to fail then both power feeds coming into it would go out and the Chapaton PS would not have the ability to operate. The bid package will also include two alternates for bidding. Alternate 1 will eliminate 2 out of the 5 generators. This will allow the facility to still meet EGLE firm capacity requirements by allowing two storm pumps along with the emergency bypass to operate along with all other critical equipment. Alternate 2 was put together to put together true cost comparisons between contractor provided insurance and the owners-controlled insurance policy.

MCPWO put the design bid package on MITN on 4/17/23 in order for the project to be competitively bid. Three addendums were issued during the bidding process and a mandatory pre-bid meeting was also held on 5/3/23. On 5/31/23, three bids were received for the project by three qualified contractors. The breakdown of those bids can be seen below.

BIDDER	Rauhorn	Shaw Electric	Rotor Electric
ITEM			
Lump Sum Bid Price	\$21,660,000	\$20,297,000	\$19,650,000
Alternate No. 1 - Deduct Nat Gas Generators	\$3,960,325	\$3,693,000	\$5,000,000
Alternate No. 2 - Contractor-provided Insurance	\$0	ADD \$5,912	ADD \$5,806

After review of the bids, MCPWO met with the apparent low bidder, Rotor Electric, to discuss the project and make sure they were comfortable with their number and the overall schedule for the project. No major concerns came out of the meeting.

MCPWO has also reviewed the bids and feels confident that Rotor Electric can perform the job. MCPWO also is confident that Alternate 1 can be safely accepted while still providing the needed electrical redundancy to the Chapaton Pump Station to meet firm capacity. By accepting this deduct, the project will be within the acceptable project budget which is being covered by State and County ARPA funds.

MCPWO staff is recommending to award the construction of the Chapaton Electrical Upgrades project to Rotor Electric with the alternate 1 deduction for a total NTE amount of \$14,650,000.

Attachment: Tetra Tech Letter of Recommendation dated 6-2-23



TETRA TECH

June 2, 2023

Mr. Vince Astorino
Operations Director
Macomb County Public Works Commissioner Candice S. Miller
23001 E. 9 Mile Road
St. Clair Shores, MI 48080

**RE: Chapaton Electric Improvements
Bid Award Recommendation**

Dear Mr. Astorino:

On May 31, 2023, bids were opened for the above project. The project is an important project that will accomplish updating of switchgear and motor starters that are original to the Chapaton Pump Station's construction. The project will also provide rehabilitation of Storm Pump No. 2's motor and installation of up to five (5) back-up power generators to power the station. A combination of diesel and natural gas engines was bid.

Three bids were received and are indicated on the attached tabulation. The lowest bid was received from Rotor Electric Company of Michigan, LLC (Detroit, MI). The bid amount of \$19,650,000 was below Tetra Tech's opinion of cost.

Both Tetra Tech and Macomb County Office of Public Works have worked with Rotor on past projects. We share the opinion that Rotor is a qualified firm who can complete this work.

Two alternates were sought for the work. Alternate one consists of deleting the natural gas generators (deleting 2 of the 5 generators bid). We understand that saving this cost is important to the District and providing three generators still provides value to the District. Tetra Tech supports accepting this deduct.

The second alternate is the additional cost for Contractor's to carry their own insurance and not rely upon the Owner-controlled Insurance Policy offered by the District. We understand that the District has already committed to this insurance (and this alternate will not be accepted), but this data may provide useful for consideration on structuring future projects.

Tetra Tech, Inc.
1136 Oak Valley Drive, Suite 100, Ann Arbor, MI 48108
Tel 734.665.6000 www.tetrattech.com



TETRA TECH

Tetra Tech finds that Rotor Electric Company of Michigan, LLC is the lowest responsive and responsible bidder. We recommend that the Eight and One-Half Mile Relief Drain Drainage District consider awarding the contract to Rotor Electric Company of Michigan, LLC in the amount of \$14,650,000 which accepts the deductible alternate of removing the natural gas generators. This work involves retrofitting equipment in and around existing equipment that must remain in service. Retrofit projects always lead to more unknown issues than new projects. For these reasons, we recommend that the District budget for contingencies up to 10% of the bid.

Tetra Tech has appreciated the opportunity to provide design and bidding services and looks forward to a successful construction project.

Sincerely;

Brian M. Rubel, PE
Sr. Vice President

Bid Tab Lump Sum

Client Name: **Macomb County**

Contract Title: **8-1/2 Mile Relief Drain Drainage District**

Contract Number: **WWS-2022-009 & 200-16347-22001**

Bid Date: **5/31/2023**

Time of Bid Opening: **2pm**

BIDDER	Rotor Electric	Shaw Electric	Rauhorn Electric, Inc.		
	9522 Grinnell Detoit, MI 48213	22100 Telegraph Rd. Southfield, MI 48033	14140 33 Mile Road Bruce Twp., MI 48065		
	Phone	313.567.4160	248.228.2069	586.992.0400	
ITEM					
Lump Sum Bid Price	\$19,650,000.00	\$20,297,000.00	\$21,660,000.00		
Alternate 1 (Deduct) Nat Gas Generators	\$5,000,000.00	\$3,693,000.00	\$3,960,325.00		
Alternate 2 Contractor- provided Insurance	Add - \$5,806.00	Add - \$5,912.00	\$0.00		
Addendum Acknowledge	yes	yes	yes		
Bid Bond	yes	yes	yes		
Bid Signed	yes	yes	yes		



Candice S. Miller

Public Works Commissioner
Macomb County

To: 8 ½ Mile Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations Director

Date: June 6, 2023

Subject: Chapaton Pump Station Painting Recommendation

The Chapaton Pump Station is in need of interior painting within the facility as it was last done close to 20 years ago. MCPWO has been handling as much as possible but there are a couple of areas which are more than what our staff can safely handle. Therefore, MCPWO has started budgeting to address painting key areas within the pump station. Within the current budget there is \$50,000 available for this task.

MCPWO has identified two key areas in which quotes have started to be obtained for. The first area is the bottom two levels within the pump station and the second area is the main floor of the pump station. Due to costs and work to be performed within the pump station, the main floor area will be done at a later date. Quotes have been obtained mainly for the bottom two levels and are attached to this recommendation the breakdown for those are as follows:

- GVC Painting Co. = \$37,210
- TD Paintings & Wall Coverings Inc. = \$59,630
- Axtell Services Inc. = \$59,260

MCPWO has discussed the quote with the apparent low bidder, GVC Painting Co., and they are confident they can get the painting done within the quoted amount.

MCPWO staff is recommending to award the painting of the Chapaton PS Levels B3/B4 to GVC Painting Co. for a total NTE amount of \$37,210.

Attachment: Painting Quotes



1525 S. GARNER RD. MILFORD, MI 48380
 877-600-6162 FAX 248-685-0992

Proposal#	11176-A
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PROPOSAL

Date
6/5/2023

Name/Address
Macomb County Public Works 23001 E 9 Mile Rd St. Clair Shores, MI 48080

Phone/Fax/E-mail
586-634-1359
Project
Interior

Terms
Upon invoice

WE HEREBY SUBMIT SPECIFICATIONS FOR:	Total
<p>GVC Painting will supply all materials and labor to complete the job as specified.</p> <ol style="list-style-type: none"> 1.) Prepare to paint desired areas. Tape, mask and prep all necessary areas. 2.) Protect all lighting, sprinkler heads, tanks, valves, complete floor, etc. 3.) Hi-pressure air blow all areas ceilings, rafters, joists and block walls. 4.) Paint B-3 & 4 area ceiling deck, bar joist, and block walls. <p>Note: All materials are Sherwin Williams interior Industrial Maintenance dryfall, 100% acrylic, satin finish.</p> <p>B-3 & B-4 Ceiling and walls</p>	37,210.00

All material is guaranteed to be as specified. All work to be completed in a workman like manner according to standard practices. Our workers are fully covered by workers compensation insurance.
 Payment Terms: Payments not paid within the stated time period are subject to attorney fees and court cost.
 Acceptance Of Proposal: The above prices, specifications and conditions are satisfactory and are accepted.

This proposal may be withdrawn by us if not accepted within 90 days.

Signature _____

Proposal



5/25/2023
Chapaton Facility

Attn: Kris Benda

Re: Chapaton Facility

Following is a proposal by TD Painting and Wallcovering Inc. for work to be completed at the above referenced project as per Scope and Clarifications, and applicable standards as adopted by the Painting Contractors Association.

Scope and Clarifications:

Walls and ceiling to be one color. Sherwin Williams Paint

1. Painting

Description of Services:

Painting walls, ceilings in pump pits .
Paint wall ceilings on one level.

	Subtotal:	\$59,630.00
	<i>*0% Tax:</i>	<i>\$0.00</i>
TOTAL		\$59,630.00

Axtell Services, Inc.

28525 Beck Rd Suite 112

Wixom, MI 48393

www.axtellservices.com

Phone # 248.313.9488

E-mail info@axtellservices.com

PROPOSAL

Submitted to:

Macomb County Public Works Commissioner C
23001 East 9 Mile Rd
St. Clair Shores, MI
Publicworks.macombgov.org

Proposal Date:

8/4/2022

Proposal #:

1580

Proposal for the following work:

Proposed Project...

Interior Painting

PROJECT: Macomb County Public Works Commissioner Candice S. Miller -23001 East 9 Mile Rd St. Clair Shores, MI 48080
Scope: Interior Painting
Contact: Kristofer Benda - Operations Manager Chapaton - Office: 586.772.3425 | Cell: 586.634.1359 - kristofer.benda@macombgov.org
Proposal Prepared by: Andrew Axtell - aaxtell@axtellservices.com - 2483797675cell

0.00

Interior Painting

Main Level:
Interior Painting: CMU walls, ceiling panels, structural steel, hand rails.
-staging of manlifts to complete work 45ft articulating lift. getting lift moved into and out of work area
-place 3/4 inch subfloor over existing tile to protect existing floor.
-prep: clean and prepare surfaces to except new paint. cover all adjacent surfaces to protect from Paint over spray.
-finish: apply two coats finish paint to surfaces.
-products: CMU: PPG PittGlaze Steel: PPG Pittglaze
-clean up and leave area broom clean at completion of work.

82,750.00

Proposed Project Price:

Axtell Services, Inc.

28525 Beck Rd Suite 112

Wixom, MI 48393

www.axtellservices.com

Phone # 248.313.9488

E-mail info@axtellservices.com

PROPOSAL

Submitted to:

Macomb County Public Works Commissioner C
23001 East 9 Mile Rd
St. Clair Shores, MI
Publicworks.macombgov.org

Proposal Date:

8/4/2022

Proposal #:

1580

Proposal for the following work:

Proposed Project...

Interior Painting	Main Level "Lobby" Interior Painting: CMU walls, ceiling panels, structural steel -prep: clean and prepare surfaces to except new paint. cover all adjacent surfaces to protect from Paint over spray. -finish: apply two coats finish paint to surfaces. -products: CMU: PPG PittGlaze Steel: PPG Pittglaze -clean up and leave area broom clean at completion of work.	3,900.00
Interior Painting	B-1 Interior Painting: Concrete walls/ceilings. -prep: clean and prepare surfaces to except new paint. cover all adjacent surfaces to protect from Paint over spray. -finish: apply two coats finish paint to surfaces. -products: CMU: PPG PittGlaze Steel: PPG Pittglaze -clean up and leave area broom clean at completion of work.	7,200.00
Interior Painting	B-2 Interior Painting: Concrete walls/ceilings. -prep: clean and prepare surfaces to except new paint. cover all adjacent surfaces to protect from Paint over spray. -finish: apply two coats finish paint to surfaces. -products: CMU: PPG PittGlaze Steel: PPG Pittglaze -clean up and leave area broom clean at completion of work.	7,100.00

Proposed Project Price:

Page 2

Fully Insured, Bonded, Specializing in Commercial,
Industrial, and Insurance Work

Axtell Services, Inc.

28525 Beck Rd Suite 112

Wixom, MI 48393

www.axtellservices.com

Phone # 248.313.9488

E-mail info@axtellservices.com

PROPOSAL

Submitted to:

Macomb County Public Works Commissioner C
23001 East 9 Mile Rd
St. Clair Shores, MI
Publicworks.macombgov.org

Proposal Date:

8/4/2022

Proposal #:

1580

Proposal for the following work:

Proposed Project...

Interior Painting

B-3 / 4

59,260.00

Interior Painting: Concrete walls/ceilings. hand rails

-prep: clean and prepare surfaces to except new paint. cover all adjacent surfaces to protect from Paint over spray.

-finish: apply two coats finish paint to surfaces.

-products: CMU: PPG PittGlaze Steel: PPG Pittglaze

-stage, rigging and use of crane basket provided by Axtell Services, Inc. Use of over head crane by macomb employee onsite

-clean up and leave area broom clean at completion of work.

Proposed Project Price: \$160,210.00

EIGHT AND ONE-HALF MILE RELIEF
05/16/2023 - 06/06/2023

<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>
8 1/2 Mile Relief	Chapter 20 State of MI – 16.04% County of Macomb – 2.25% Dept. of Roads – 2.25% Eastpointe – 54.33% St. Clair Shores – 25.13%						
		Astorino	Anderson, Eckstein & Westrick	\$ 9,636.05	Invoice #143865 - 05.16.23	Gate Rehabilitation Project - 04.10.23 - 05.07.23	\$ 56,064.32
		Astorino	County of Macomb	\$ 472,419.15	Invoice #AR230541 - 05.08.23	4th Quarter Personnel and Operating Expenses	
		Astorino	County of Macomb	\$ 254,909.02	Invoice #AR230542 - 05.08.23	1st Quarter Personnel and Operating Expenses	
		Astorino	DTE Energy	\$ 591.06	Invoice #23-273 - 05.01.23	Monthly Electric - 04.01.23 - 04.30.23	
		Astorino	DTE Energy	\$ 625.55	Invoice #23-294 - 05.16.23	Monthly Electric - 04.15.23 - 05.15.23	
		Astorino	DTE Energy	\$ 7,745.34	Invoice #23-295 - 05.17.23	Monthly Electric - 04.11.23 - 05.08.23	
		Astorino	Jack Doehny Companies Inc.	\$ 550.79	Invoice #186114 - 02.08.23	Confined Space Equipment Certification	
		Astorino	JCI Jones Chemicals Inc.	\$ 10,321.36	Invoice #912436 - 05.04.23	Hypochlorite Solution	
		Astorino	Macomb County Treasurer	\$ 9,000.00	Invoice #1-2023 - 03.31.23	Accounting Services	
		Astorino	Major Brands Oil	\$ 3,172.25	Invoice #0385305-IN - 05.24.23	Storm Water Pump Oil Charge	
		Astorino	NTH Consultants, Ltd	\$ 697.24	Invoice #632722 - 05.05.23	2023 Interceptor Inspection Program - Design	\$ 48,242.72
		Astorino	NTH Consultants, Ltd	\$ 3,842.38	Invoice #632721 - 05.06.23	9 Mile Emergency Bypass Rehab - Design	\$ 105,611.95
		Astorino	OHM Advisors	\$ 3,371.50	Invoice #61960 - 04.20.23	As-Needed Services - PS Ventilation Study	\$ 94,828.00
		Astorino	OHM Advisors	\$ 5,483.50	Invoice #62960 - 05.16.23	PS Ventilation Study	\$ 89,344.50
		Astorino	People Driven Technology	\$ 8,963.73	Invoice #INV5136 - 05.18.23	SCADA Maintenance	
		Astorino	Swan Analytical Instruments	\$ 548.80	Invoice #CD10007665 - 05.11.23	TRC Testing Agents	
		Astorino	Tetra Tech, Inc.	\$ 43,347.63	Invoice #52064947 - 05.08.23	In-System Storage CCA 04.01.23 - 04.28.23	\$ 496,770.24
		Astorino	Tetra Tech, Inc.	\$ 7,550.00	Invoice #52064951 - 05.08.23	Chapaton Electrical/Generator - Design	\$ 125,948.17
		Astorino	Wade Trim	\$ 92,846.94	Invoice #2027535 - 05.26.23	Chapaton RTB Canal Rehab - Design	\$ 43,195.75
Astorino	Weiss Construction	\$ 424,508.72	Invoice #WWS-2021-006 APP 14 05.26.23	In-System Storage through 05.19.23	\$ 5,111,658.83		
Astorino	Wolverine Crain	\$ 545.25	Invoice #89343 - 04.28.23	OSHA Inspections & PM - 3 Cranes			
Total				\$ 1,360,676.26			

Budget to Actual
8.5 Mile Relief
As of May 31, 2023 =67%

DESCRIPTION	2023 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
Interest Earned	20,000		135,850	(115,850)	679.3%
Other Revenue	5,000		158,516	(153,516)	3170.3%
State Grant-Electrical and Canal Rehab	-		662,287	-	100.0%
8.5 O&M/Charge Required Revenue	5,003,220		5,003,220	-	100.0%
PY Revenue-Fund Balance	4,412,010			4,412,010	0.0%
Use of Reserve from prior contributions	3,738,110			3,738,110	0.0%
Use of Reserve(Flow Meters)	350,000			350,000	0.0%
Use of SCADA Reserve	64,750			64,750	0.0%
Use of Surplus from past collections	1,051,830		-	1,051,830	0.0%
Total Revenue Accounts	14,644,920	-	5,959,873	9,347,334	40.7%
EXPENSE ACCOUNTS					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	17,010		1,590	15,420	9.3%
Engineering					
Sluice & Dewatering Gates Rehab/Replacement Project	1,974,340		1,661	1,972,679	0.1%
Canal Rehab Design	320,000		274,029	45,971	85.6%
8.5 Mile Inspection Project	500,000		19,320	480,680	3.9%
9 Mile Drain & Dewater Accusonic Flow Meters	350,000		247,208	102,792	70.6%
9 Mile Emergency Bypass Structural Rehab	3,000,000		11,475	2,988,525	0.4%
Flushing	1,895,660		1,534	1,894,126	0.1%
Chapaton Electrical Upgrades(ARP Funds)	-		99,053	(99,053)	100.0%
As needed Engineering	39,110		18,787	20,323	48.0%
Sluice and Dewatering Gates Rehab/Replace Project(Was 9 Mile PS)	2,025,660		67,738	1,957,922	3.3%
Cost Share Army Corp Grant-Green Infrastructure Project	162,500			162,500	0.0%
9 Mile Bypass Pipe Structural Repairs-Construction/CA	308,010		1,491	306,519	0.5%
Chapaton Improvements-Office Space Downstairs	100,000		1,231	98,769	1.2%
In-System Storage-Construction Admin and Construction	1,659,410		1,908,024	(248,614)	115.0%
New Equipment	3,000			3,000	0.0%
Office Supplies	500			500	0.0%
Operating Supplies	81,800		63,401	18,399	77.5%
Other Professional Svcs	42,500		21,004	21,496	49.4%
Personnel Services	1,135,790		736,328	399,462	64.8%
Repair & Maintenance	246,000		47,401	198,599	19.3%
Contribution to Reserve	288,240			288,240	0.0%
Scada System	199,390		40,721	158,669	20.4%
Utilities	290,000		101,335	188,665	34.9%
Total Expense Accounts	14,644,920	-	3,669,331	10,975,589	25.1%

	O&M Balance 9/30/2022	O&M	Total 5/31/2023
Cash - Operating	9,802,509	2,290,542	12,093,051
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		5,959,873	5,959,873
Expenditures		3,669,331	3,669,331
			0
Equity*	9,802,509		12,093,051

Detail of 2022 Equity*

9 Mile Bypass Struct Rprs-Const/CA	292,264	Capital Reserve	953,047
As-Needed Engineering	48,544	Contribution from Macomb Cty	2,000,000
Chapaton Improvements-Lab/Office Space	173,347	In System Contrib from SEMSD	1,351,239
Chlorine storage tank #3 relining	7,500	LSCWWI 04B Transfer	738,112
Cost Share Army corp Grant-Green Infrastructure Project	162,500	SCADA Reserve	155,140
Fiber Optic Improvements	16,130	SRF Replacement Reserve	2,592,140
Firewall Hardware Design/Config	12,900	Painting	25,000
In-System Storage Design/Const Admin/Const	116,276	SolarWind -Network Mgmt Softwar	9,670
Obsolete Wireless backhaul replacement links	16,120	Storm PLC Replacments	30,000
Sluice & Dewatering Gates Rehab/Replace Proj(Was 9 Mile PS)	1,102,581		