

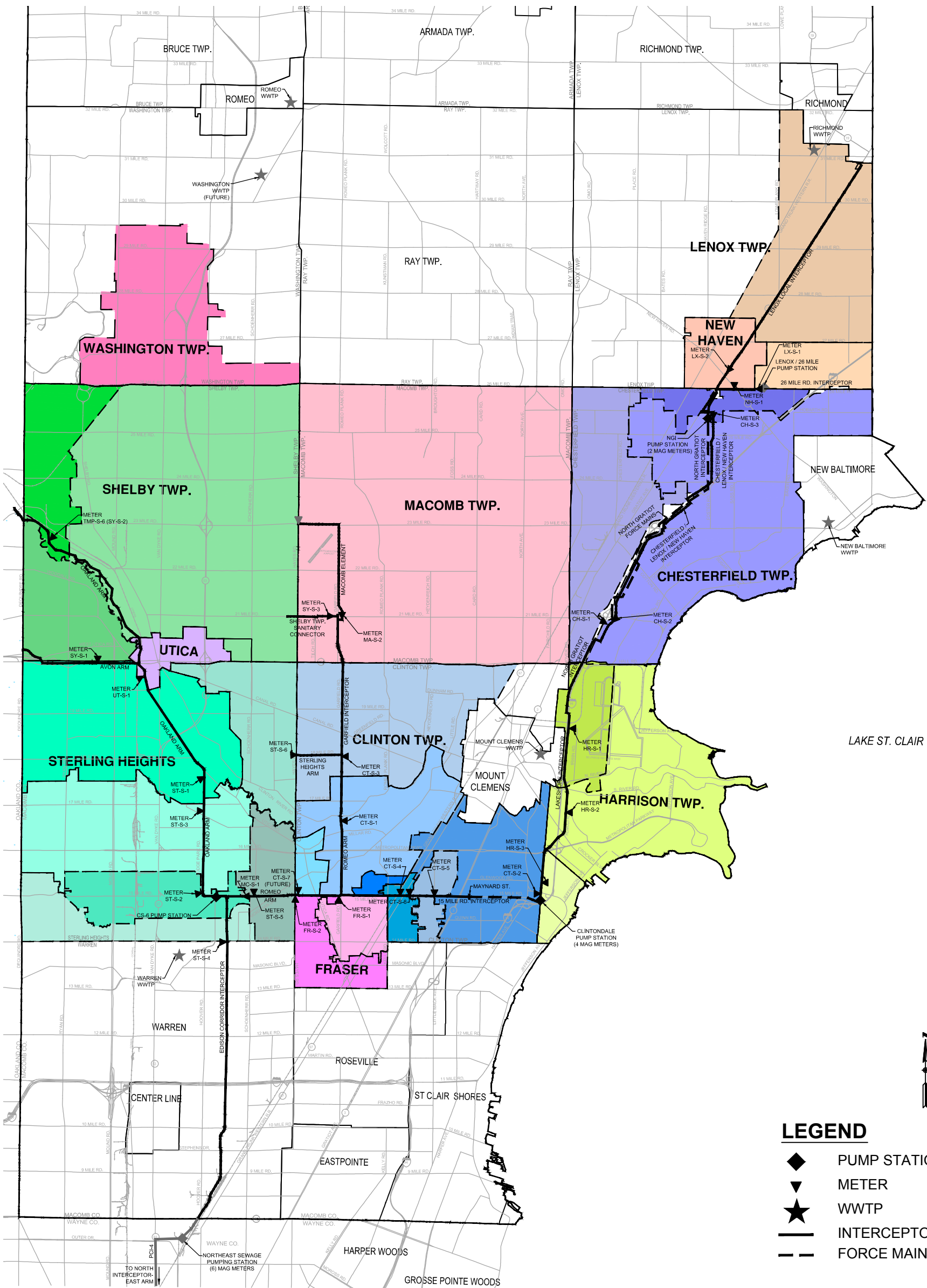
MACOMB INTERCEPTOR DRAIN
INTRA-COUNTY DRAINAGE BOARD
JULY 10, 2023
10:30 A.M.
AGENDA

**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 July 10, 2023	
3. Approval of Minutes for June 12, 2023	3
4. Public Participation	
5. Project Updates – Stephen Downing/Vince Astorino	6
6. Segment 6 Change Order No. 3 & Work Directive No. 2 – Stephen Downing	32
Motion: To approve Change Order No. 3 to the Segment 6 Ric-Man Construction contract for \$431,923.32 for the Builder's Risk claim, \$20,489.66 for Work Change Directive No. 2 for CS-13 safety grating for a total of \$452,412.98, and add 60 calendar days to the contract.	
7. Consideration for approval of invoices (see attached)	46
8. Financial Report – Bruce Manning	48
9. Adjourn	

MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT



Candice S. Miller

MACOMB COUNTY PUBLIC WORKS COMMISSIONER



UPDATED: FEBRUARY 2017

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 June 12, 2023, at 10:51 A.M.

PRESENT: Candice S. Miller, Chair
Don VanSyckel, Member
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; Tom Stockel, Construction Supervisor

PRESENT VIA TELECONFERENCE: Mary Shepherd, Environmental and Safety Services Supervisor City of Sterling Heights

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

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of May 15, 2023, were presented. A motion was made by Mr. VanSyckel, supported by Mr. Santo to approve the minutes as presented.

Adopted: YEAS: 3
NAYS: 0

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

Ms. Miller let the Board know that the MCPWO property on M-59 and Garfield was sold for \$2.4 million.

Mr. Downing presented on Segment 5. The temporary flume removal has been completed this month. He presented photos of the spray-lined pipe as well as some photos showing the workmen pumping out the pipe and getting the pump into the pipe and in place. They brought in a second crew that will be settling in and performing debris removal next week.

Mr. Downing said that they are having a bit of a problem with getting their pumps operating efficiently to dewater Segment 6. Last week, they were able to clean 40 feet. Once they get a set up that works, it will run more efficiently. He doesn't have a date yet of when we will have West bound 15 Mile Road open, but he is pushing for July 4th. Garfield will go down to one lane in each direction for 2 weeks. We are scheduled for final completion at the end of September.

Mr. Astorino updated that the 21 Mile Road and Garfield Interceptor Lining project is fully complete. The epoxy lining in manholes and chambers is to be completed by the second week of June. Traffic control should start opening this or next week.

Mr. Astrorino presented a video of the lining work. There is a lot of sediment in the Macomb Township side of the pipe. He showed some before and after photos of the pipe. Mr. VanSyckel asked if there was a warranty on the pipe repairs, and Mr. Astorino said he thinks it's a year. Hopefully the project will be wrapped up next month.

Mr. Astorino said that the Interceptor Inspection Program is fully complete. He is reviewing the final report now.

Mr. Downing said there is no update Phase II Grouting.

Mr. Downing updated on the Odor and Corrosion Control Facilities stating that the contractors continue to work on the facilities at various times. He showed photos of the contractors performing the jack and bore and setting up the equipment at 21 Mile Road and Garfield. They had to design and construct a dewatering system, so there was a small hiccup. Mr. Downing said that using the carbon filter really helps mitigate the odor. Mr. VanSyckel asked if we have electrical generators on the odor facilities and Mr. Downing said we do not. He also asked if we would need to shut down any lanes on Utica Road. Mr. Downing said we usually don't, we may have to, but we will not do it in the Summer months. Mr. Downing said we had 3 neighbors attend the township meetings and none had complaints about the odors.

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

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$4,559,284.56 to the board for review and approval.

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

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

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

Adopted: YEAS: 3
NAYS: 0

The meeting was adjourned at 11:23 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 June 12, 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: 6/12/23



Candice S. Miller

Public Works Commissioner
Macomb County

To: Macomb Interceptor Drain Drainage District Board Members

CC: File

From: Stephen Downing, Construction & Maintenance Manager
Vincent Astorino, Operations Director

Date: July 10, 2023

Subject: Construction Projects Status Updates for July 2023 Board Meeting

The following provides a status update for construction work performed within the Macomb Interceptor Drain Drainage District for the previous month.

Segment 5 Rehabilitation

Contractor: Oscar Renda

Engineering Consultant: FK Engineering

Project Description:

The Segment 5 reach of the Romeo Arm Interceptor is approximately 8,300 linear feet; it runs along 15 Mile Road starting at the ITC Corridor and extends east to approximately Hayes Road. The first 7,000 linear feet is 11-foot diameter non-reinforced concrete pipe, and the next 1,300 linear feet is 8-foot diameter steel reinforced concrete pipe. The rehabilitation consists of debris removal, cleaning, and inspection of the pipe's invert. Next, HOBAS pipe will be used to slip line 7,000 linear feet of the 11-foot diameter sewer and the 1,300 linear feet section of 8-foot diameter pipe will be coated with a corrosion resistant geo-polymer spray applied coating. To facilitate this work, a new control structure and access shaft is under construction in the ITC Corridor. The new control structure will provide the contractor access to the sewer to facilitate the work and will also serve as a dewatering pump station to draw down the upstream water level in the sewer.

Significant project tasks that have occurred over the past month:

1. Continued development, review, and approval of the required construction submittals.
2. Ground dewatering well maintenance and monitoring.
 - o FKE is developing a de-commissioning plan for the dewatering system now that the CS-12 structure and drop-pipes installation is completed.
3. Continued spray-lining the 8-foot diameter interceptor (PCI-37) – 1300 Linear feet total

- Approximately 1300 linear feet is completed (5 to 7 o'clock)
- Approximately 1050 linear feet is completed (entire circumference of pipe)
- Approximately 85% completed
- 4. CS-12 Pump Station and Control structure progress, which includes:
 - Completed the demolition of the temporary flume bulkheads
 - Performed final startup and testing of the pumps with the pump manufacturer
 - Completed the installation of the drop pipes
 - Initial operation of the pump station to verify the dewatering scheme is scheduled for early July.
- 5. Sediment and Debris Removal
 - Continued preliminary testing of equipment
 - Mobilized temporary odor control equipment

Construction Costs:

	Date	
Original Contract Amount	10/21/2020	\$28,807,500.00
Current Contract Amount	6/30/2023	\$32,052,534.88
Total Spent to Date	6/30/2023	\$16,926,231.73
Remaining Budget	6/30/2023	\$15,126,303.15



Figure 1 – Testing Debris/Sediment Removal Equipment in CS-12 Yard



Figure 2 – Demolition of the Temporary Flume Bulkhead



Figure 3 – Drop-Pipe Casing at Southwest Discharge



Figure 4 – Drop-Pipe Installation at Southeast Discharge



Figure 5 – Dry-Fitting the Temporary Downstream Gate

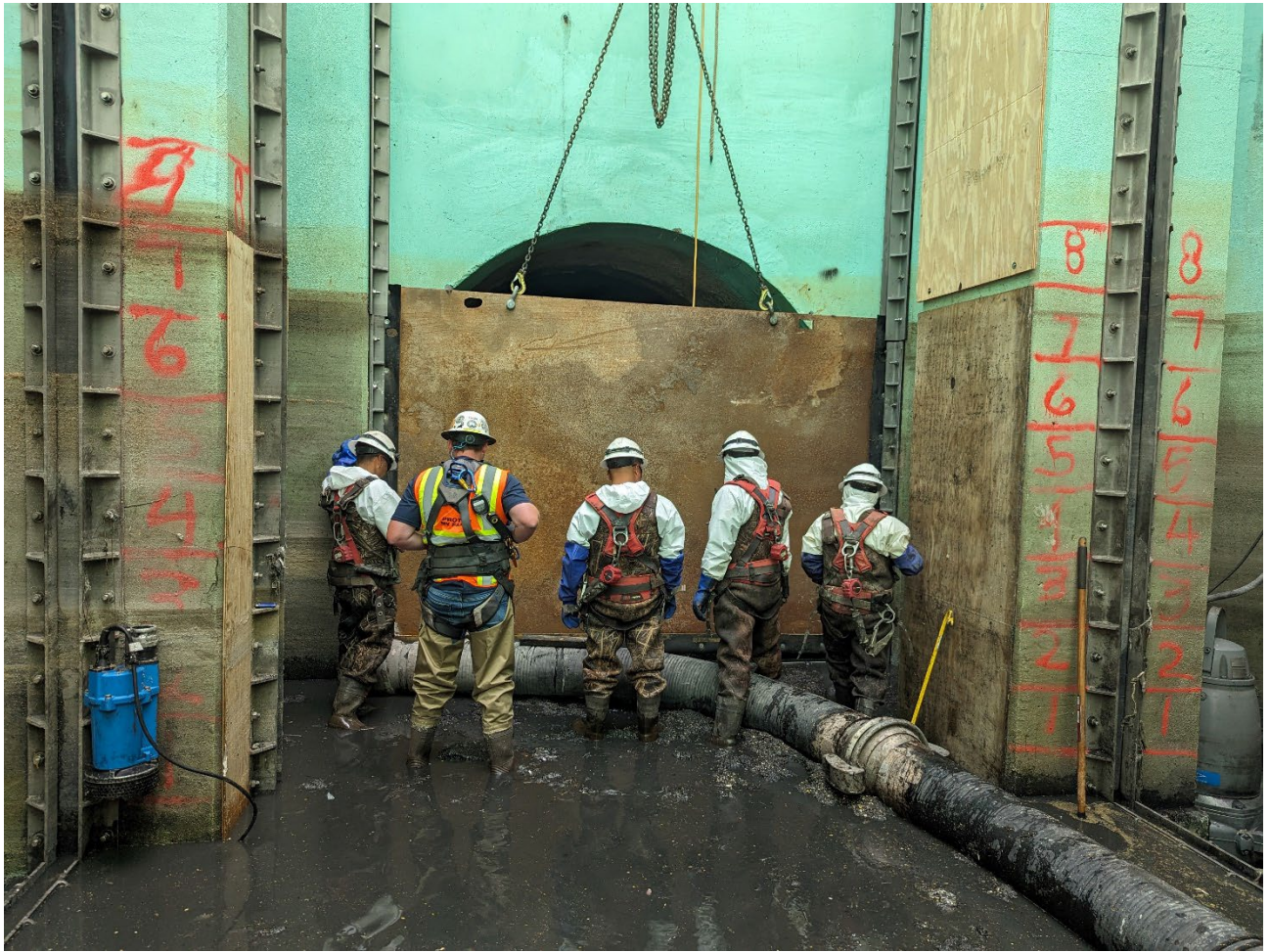


Figure 6 – Dry-Fitting the Temporary Downstream Gate

Segment 6 Rehabilitation

Contractor: Ric-Man Construction

Engineering Consultant: FK Engineering

Project Description:

The Segment 6 Rehab project includes the rehabilitation of these main elements:

1. Cleaning and slip-lining (Hobas) of the 5-foot diameter 15 Mile Interceptor from MH-01 at Garfield Road and 15 Mile to MH-04 approximately 2200 feet east along 15 Mile.
2. Cleaning and slip-lining (Hobas) the 1400 linear feet 11-foot diameter Romeo Arm Interceptor sewer between CS-3 on 15 Mile Road and CS-2 on Garfield north of 15 Mile Road.
3. Rehabilitation of the Meter Facility FR-S-1 on Garfield south of 15 Mile Road.
4. Rehabilitation and spray-lining of the CS-2 and CS-3 control structure facilities. These concrete structures have been damaged by H2S damage over time and need repair.
5. Installation of an air-jumper to be incorporated into the existing Biofilter facility. This is being done to address the high level of odor issues that have resulted over the years from the intersection of 15 Mile and Garfield.
6. Installation of a new gate control structure on the 15 Mile Interceptor. This will allow for the rehabilitation of the MH-01 structure and provide future storage options within that interceptor.

The project started in September 2021 and is scheduled to be completed in September 2023.

Significant project tasks that have occurred over the past month:

1. The Contractor continues to develop and submit the required submittals to the Engineer & Owner for review.
2. Contractor is continuing to work with McDOR on the permit to perform the open-cut installation of the FAD line beneath Garfield Road.
3. Completed the repairs of the damaged HOBAS in the 15 Mile Interceptor
4. Completed the jack and bore beneath 15 Mile Road for the FAD line.
5. Continued the debris/sediment removal between CS-2 and CS-3
6. Installation of the CS-13 riser sections and tops
7. Prepared for concrete placement at CS-13 and Lining Shaft

Construction Costs:

	Date (if applicable)	
Original Contract Amount	5/1/2021	\$13,541,545.00
Change Order No. 1	8/1/2021	\$132,664.70
Total Contract Amount	6/30/2023	\$13,674,209.70
Total Spent to Date	6/30/2023	\$9,085,763.51
Remaining Budget	6/30/2023	\$4,588,446.19



Figure 7 – Sediment/Debris Removal Equipment at CS-2



Figure 8 – Sediment/Debris Removal Equipment at CS-2



Figure 8 – Jack & Bore of Steel Casing Beneath 15 Mile Road for FAD Line



Figure 9 – Jack & Bore of Steel Casing Beneath 15 Mile Road for FAD Line

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



Figure 10 – Installation of Bollards at CS-13 Control Cabinet

Garfield Interceptor Lining Project

Contractor: SAK Construction, LLC

Engineering Consultant: AEW

Project Description: MCPWO identified 755 feet of 7-foot diameter pipe within the Garfield Interceptor that has been aggressively attacked with Hydrogen Sulfide damage. This stretch of pipe was immediately labeled as an immediate repair and MCPWO underwent an analysis of options for repairs. The selected option was a Spiral Wound PVC liner which has been installed around the world but is the first time being installed within Michigan. This product has a guaranteed useful life of 50-years and is being treated as a pilot project within the MID system.

Significant project tasks that have occurred over the past month:

- MA-S-2 (West Side) epoxy lining in manholes and chambers has been completed.
- SY-S-3 (East Side) pipe lining operations have been completed.
- SY-S-3 (East Side) manhole and chamber epoxy lining operations have been completed.
- Garfield Road restored to normal traffic flow on 6/29/23.
- Restoration work is underway and working through punch list items.

Construction Costs:

	Date (if applicable)	
Original Contract Amount	8/25/2022	\$2,394,385.00
Change Order No. 1	3/14/23	\$510,160.00
Total Contract Amount	3/14/23	\$2,904,545.00
Total Spent to Date	6/26/23	\$2,713,976.88
Remaining Budget	6/26/23	\$190,568.12



Figure 11 – MA-S-2 (East Side) MH Prep



Figure 12 – MA-S-2 (East Side) MH Epoxy Lining



Figure 13 – SY-S-3 (West Side) Severe H2S Damage

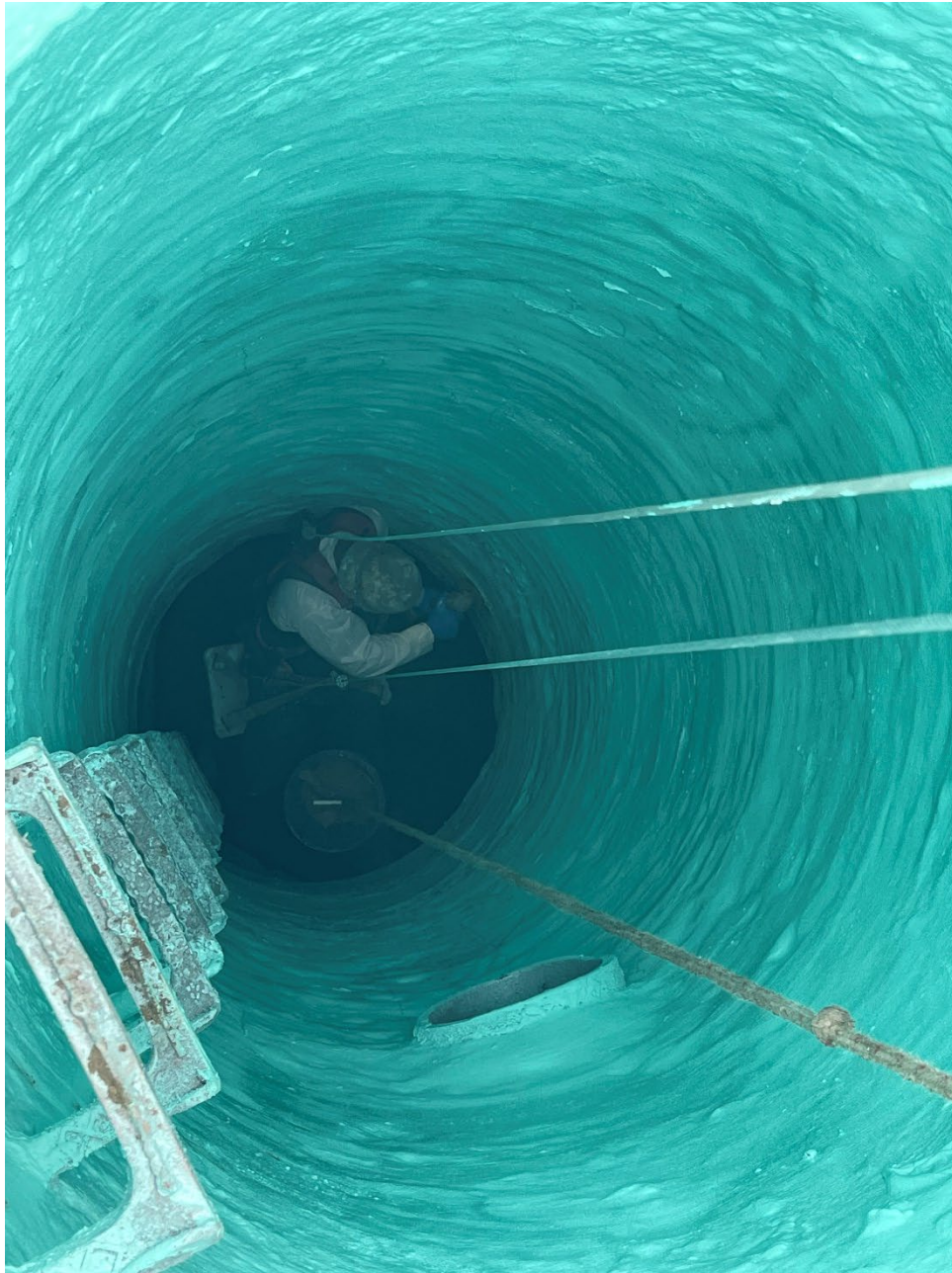


Figure 14 – SY-S-3 (West Side) After Repairs

Interceptor Inspection Program

Contractor: Doetsch Environmental Services, Inc.

Engineering Consultant: Fishbeck

Project Description:

The 2020 sewer inspection program was awarded to Doetsch Environmental Services in November 2020. The inspection program includes inspection of approximately 26 miles of sanitary sewer, 360 manholes and other aspects of the sanitary sewage infrastructure across multiple drainage districts, including the MIDDD.

The MIDDD portion of the inspection program includes 101,335 linear feet (19.25 miles) of pipe ranging in diameter from 24" to 132" and 145 manhole structures. Additionally, inspection of 8 junction chambers and 8 Drop Shaft/Connecting sewers will be performed.

The inspection interval for the entire system is based on a 3-year cycle, where non-reinforced concrete pipe is inspected every 3 years and reinforced concrete pipe is inspected every 6 years. The 2020 inspection program is the largest ever performed by the Macomb County Public Works Office.

Significant project tasks that have occurred over the past month:

1. Final pay app submitted. This project is closed out.

Construction Costs:

	Date (if applicable)	
Original Contract Amount	1/19/2021	\$280,034.00
Change Order #1	12/07/22	\$23,700.00
Total Contract Amount		\$303,734.00
Total Spent to Date	6/16/23	\$274,123.20
Remaining Budget	6/16/23	\$29,610.80

***This Table reflects the MIDDD costs only.**

Phase II Grouting

Contractor: Doetsch Environmental Services, Inc.

Engineering Consultant: AEW

Project Description:

The Phase II Grouting project was awarded to Doetsch Environmental during summer 2020. The work includes chemical grouting of the sewer and manholes where infiltration is present. The work is planned in all reaches of the system not included in the Segment 5 or portion of the Romeo Arm rehabilitated during the 2016 Interceptor Collapse. The main areas of work include the Romeo Arm along Garfield Road between 15 Mile and Clinton River Roads, the Garfield Interceptor between Clinton River and 21 Mile Roads, and the Lakeshore Interceptor between the Clintondale Pump Station at 15 Mile and Union Lake and Joy Boulevard in Harrison Township. The chemical grouting is aimed to stop all active infiltration within the system in advance of future rehabilitation and maintenance projects.

Significant project tasks that have occurred over the past month:

1. The crew has not worked since late July 2022.
2. The critical area grouting is complete, grouting operations will resume in non-critical areas when daily flow control operations allow.

Construction Costs:

	Date	
Original Contract Amount	6/24/2020	\$3,000,000.00
Change Order No. 1	3/14/2022	\$3,000,000.00
Current Contract Amount	6/30/2023	\$6,000,000.00
Total Spent to Date	6/30/2023	\$4,432,736.20
Remaining Budget	6/30/2023	\$1,567,263.80

Odor & Corrosion Control Facilities

Contractor: L. D’Agostini & Sons

Engineering Consultant: Tetra Tech

Project Description:

The Macomb Interceptor Drain completed a system-wide odor and corrosion study to evaluate the need for additional odor and corrosion control facilities to mitigate corrosion induced degradation of the interceptor and nuisance odors emitting from the interceptor near homes, businesses and public spaces. This effort is concentrated on extending the useful life of the interceptor and reducing nuisance odors emitting from the interceptor.

The study identified the need to construct three new odor and corrosion control facilities. Additionally, it was determined that the existing open-bed woodchip media type Fraser Bio-Filter would be more efficient and effective if converted to an enclosed bio-filter with an engineered media. The locations of the new facilities were determined through analysis and computer modeling using data that was collected in the field during the study phase. The facilities are intended to complement one another to reduce hydrogen sulfide induced corrosion.

The facilities are summarized in the Table below:

Facility	Location	Filter Type	Media Type
Fraser	15 Mile & Garfield	Bio-Filter	Engineered
Macomb Township	21 Mile & Garfield	Bio-Filter	Engineered
Clintondale PS	Union Lake & Sorrentino	Carbon Filter	Carbon
NGI Pump Station	Gratiot & Concordia	Chemical Injection	Calcium Nitrate

The construction contract was awarded to L. D’Agostini & Sons in October of 2022 and the contractual Notice to Proceed was issued with an effective date of December 2, 2022. The number of days to achieve substantial completion is 630 days, resulting in a contractually required substantial completion date of August 23, 2024.

The construction work commenced in January of 2023 and is estimated to be completed by the summer of 2024. The estimated schedule for each site is summarized in the table below:

Facility	Location	Start Date	Finish Date
Fraser	15 Mile & Garfield	March – 2023	January – 2024
Macomb Township	21 Mile & Garfield	April – 2023	April – 2024
Clintondale Pump Station	Union Lake & Sorrentino	September – 2023	May – 2024
NGI Pump Station	Gratiot & Concordia	January – 2023	October – 2023

*The dates are based on the Construction schedule dated February 7, 2023

Significant project tasks that have occurred over the past month:

1. The Contractor is developing and submitting the required submittals to the Engineer & Owner for review.
2. The Contractor is working on obtaining the required permits from various agencies.
3. NGI PS Site:
 - a. Mechanical, Plumbing and Electrical work
 - b. Installation of the new hydrant
 - c. Installation of new access gate
 - d. Preparation for site paving
4. Clintondale PS Site:
 - a. Idle
5. 21 Mile & Garfield Site
 - a. Started site clearing to prepare for excavation for building foundation
6. Fraser Site
 - a. Continued drilling foundation piles for lower TERS
 - b. Started installation of the upper TERS rib and lagging
 - c. Encountered slightly contaminated soils (petroleum)

Construction Costs:

	Date	
Original Contract Amount	12/2/2022	\$11,799,678.78
Current Contract Amount	6/30/2023	\$11,799,678.78
Total Spent to Date	6/30/2023	\$1,834,670.48
Remaining Budget	6/30/2023	\$9,965,008.30



Figure 15 – NGI PS Odor & Corrosion Equipment Building – Gutter & Soffit Work



Figure 16 – Staging of Slightly Contaminated Soils at Fraser Site



Figure 17 – Drilling Foundation Piles for Lower TERS at Fraser Site

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Figure 18 – Construction of the Upper TERS at Fraser Site



Figure 19 – Site Preparation at 21 Mile & Garfield



To: Macomb Interceptor Drain Drainage District Board Members

CC: FILE

From: Stephen Downing, Construction & Maintenance Manager

Date: July 10, 2023

Subject: Segment 6 Rehabilitation Ric-Man Construction Change Order No. 3 – Builder’s Risk Claim & WCD No. 2

This change order includes partial settlement of the Builder’s Risk Claim related to the repairs of the damaged HOBAS pipe and the addition of safety grating in CS-13 as described in Work Change Directive No. 2. This change order extends the contract by 60 calendar days to accommodate for the repairs of the damaged HOBAS.

At this time the Builder’s Risk Claim associated with the HOBAS Pipe failure is still ongoing. The Insurance Carrier has issued payment for the accepted part of the claim, specifically as it relates to the repair of the damaged HOBAS. The table below summarizes the current claim amounts.

Claim Summary		
HOBAS Pipe Repair	Estimate	Actual
Pipe Repair	\$ 456,923.32	\$ 456,923.32
Pipe Repair Engineering	\$ 219,469.03	\$ 111,000.00
Total Pipe Repair	\$ 676,392.35	\$ 567,923.32
Additional & Expediting - Shaft Construction		
Shaft Construction	\$ 595,869.10	\$ 595,869.10
Shaft Construction Engineering	\$ 209,141.82	\$ 138,000.00
Total Shaft Construction	\$ 805,010.92	\$ 733,869.10
Total Claim	\$ 1,481,403.27	\$ 1,301,792.42
Current shortfall	\$ 683,095.29	\$ 503,484.44

The engineering cost associated with the HOBAS repairs will be submitted to the insurance carrier for review and approval in July. It is anticipated that 100% of these costs will be covered by the policy. The cost associated with the construction of the additional shaft to complete the slip-lining (engineering & construction) are not covered by this policy. We are working with our legal counsel, Ric-Man Construction and the insurance carrier on the resolution of the remaining costs associated with this claim. A change order will be presented in the future to address the final financial aspect of this matter.

The net cost to the MID related to the Builder’s Risk Policy claim at this time is \$75,000 toward the deductible in accordance with the contract documents. This contribution is factored into the table below that summarize the current financial summary.

Current Financial Summary		
HOBAS Repairs	\$ 456,923.32	\$ 456,923.32
Additional & Expediting 20%	\$ 91,384.66	\$ 91,384.66
Total Claim Approved	\$ 548,307.98	\$ 548,307.98
Deductible	\$ 100,000.00	\$ 100,000.00
Total Claim Paid	\$ 448,307.98	\$ 448,307.98
Ric-Man Deductible	\$ 25,000.00	\$ 25,000.00
MID Deductible	\$ 75,000.00	\$ 75,000.00
Amount due to Ric-Man	\$ 431,923.32	\$ 431,923.32
Amount Unallocated	\$ 91,384.66	\$ 91,384.66

The work associated with Work Change Directive No. 2, the addition of additional safety grating at CS-13, is a post award add to the contract by the Owner to enhance the site safety at CS-13. This results in the lump sum addition of \$20,489.66. The backup for this cost is attached for reference.

The recommendation is that the Macomb Interceptor Drain Drainage District Board approve the Change Order No. 3 to Ric-Man Construction for the lump sum add of \$452,412.98 and extend the contract times by 60 calendar days as outlined in the attached change order.

Attachments: Change Order No. 3
Work Change Directive No. 2 Cost Backup

CHANGE ORDER NO.: 3

Owner: Macomb Interceptor Drain Drainage District **Owner's Project No.:** WWS-2021-002
 Engineer: FK Engineering Associates **Engineer's Project No.:** 20-058
 Contractor: Ric-man Construction, Inc. **Contractor's Project No.:** 21-SEG6

Project: Segment 6 Rehabilitation
 Contract Name: Segment 6 Rehabilitation

Date Issued: July 5, 2023 Effective Date of Change Order: July 5, 2023

The Contract is modified as follows upon execution of this Change Order:

Description: Increase to contract length & price due to HOBAS pipe repairs & Builders Risk Claim. Also includes increase to contract price due to completion of WCD#2 (CS-13 grating).

Attachments: Builders Risk Claim Summary, WCD #2 RCI Quote

Change in Contract Price	Change in Contract Times
Original Contract Price: \$ 13,541,545.00	Original Contract Times: Substantial Completion: <u>January 28, 2023</u> Ready for final payment: February 27, 2023
Increase From previously approved Change Order No. 1 : \$134,664.70	Increase from previously approved Change Order No.2: Substantial Completion: <u>May 25, 2023</u> Ready for final payment: June 25, 2023
Contract Price prior to this Change Order: \$ 13,674,209.70	Contract Times prior to this Change Order: Substantial Completion: <u>May 25, 2023</u> Ready for final payment: June 25, 2023
Increase this Change Order: \$ 452,412.98	Increase this Change Order: Substantial Completion: <u>July 24, 2023</u> Ready for final payment: August 24, 2023
Contract Price incorporating this Change Order: \$ 14,126,622.70	Contract Times with all approved Change Orders: Substantial Completion: <u>July 24, 2023</u> Ready for final payment: August 24, 2023

Recommended by Engineer		Authorized by Contractor	
By (signature):	<u>Zachary F. Carr</u>	_____	_____
Name & Title:	<u>Zachary Carr, Vice-President</u>	_____	_____
Date:	<u>July 5, 2023</u>	_____	_____
Authorized by Owner		Approved by Funding Agency	
By (signature):	_____	_____	_____
Name & Title:	_____	_____	_____
Date:	_____	_____	_____

File No. 018.003633.00

Amount of Policy

\$57,640,000. Primary

Issued Expires

September 4, 2020 to March 4, 2024

SWORN STATEMENT

in

PARTIAL PROOF OF LOSS

Claim No. KY22K2260302

Policy Number I11.177256 001-003

Meadowbrook Inc

(Agency Name)

Southfield, MI

(Agency Location)

To the ACE American Insurance Company (CHUBB) of Scranton, PA

By the above indicated policy of insurance Macomb County Public Works (MC) are insured against loss by All Risk Perils except where excluded upon the property described in the policy, according to the terms and conditions of the said policy and all forms, endorsements, transfers and assignments attached thereto.

1. Time and Origin: A loss was discovered on the 9th day of March 2022. The cause and origin of the said loss was Damage to Underground Services at Macomb County Public Works, Macomb MI 48015.

2. Occupancy: The building described, or containing the property described, was occupied at the time of the loss as follows, and for no other purpose whatever: Underground sewer piping

3. Title and Interest: When this policy was acquired and at the time of the loss the interest of your insured in the property described therein was sole and unconditional ownership, and no other person or persons had any interest therein or encumbrance thereon except Macomb County Public Works

4. Changes: Since the said policy was acquired there has been no assignment thereof, or change of ownership, use, occupancy, possession, location or exposure of the property described, or of your insured's interest therein except Macomb County Public Works

5. Total Insurance: The total amount of insurance upon the real property described by this policy was, at the time of loss, \$57,640,000 Primary Layer and as more particularly specified in the apportionment under the total insurance program, besides which there was no policy or other contract of insurance, written or oral, valid or invalid.

6. ADJUSTED REPLACEMENT COST VALUE LOSS	\$548,307.98
7. LESS DEDUCTIBLE	(\$100,000.00)
8. NET CLAIM	\$448,307.98
9. LESS PRIOR PAYMENTS	(\$ 0.00)
10. BALANCE - THIS PARTIAL PROOF OF LOSS	\$448,307.98

The said loss did not originate by any act, design or procurement on the part of your insured, or this affiant; nothing has been done by or with the privity or consent of your insured or this affiant, to violate the conditions of the policy, or render it void; no articles are mentioned herein or in annexed schedules but such as were in the building damaged or destroyed, and belonging to, and in possession of the said insured at the time of said loss; no property saved has in any manner been concealed, and no attempt to deceive the said company, as to the extent of said loss, has in any manner been made. Any other information that may be required will be furnished and considered a part of this proof.

The furnishing of this blank or the preparation of proofs by a representative of the above insurance company is not a waiver of any of its rights.

ANY PERSON WHO KNOWINGLY AND WITH INTENT TO INJURE, DEFRAUD, OR DECEIVE ANY INSURANCE COMPANY, FILES A STATEMENT OR A CLAIM CONTAINING ANY FALSE, INCOMPLETE OR MISLEADING INFORMATION IS GUILTY OF A FELONY OF THE THIRD DEGREE.

x Stephen Downing Insured

State of Michigan County of Macomb

Subscribed and sworn to (or affirmed) before me on this 19th day of January, 2023, by Stephen Downing, proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

Signature Emily Englmann (Seal)

Direct Cost Report

Activity Resource	Desc	Quantity Pcs	Unit	Unit Cost	Labor	Perm Material	Constr Mat/Exp	Equip Ment	Sub-Contract	Total
BID ITEM = 3003										
Description = CS 13 FRP GRATES			Unit =	LS	Takeoff Quan:		1.000	Engr Quan:		1.000
Per WCD #2 to install FRP Grates @ CS13 RCI is requesting a change order in the amount of \$20,489.66. See attached backup documentation and quotes for this WCD.										
3003.1	Materials			Quan:	1.00 LS	Hrs/Shft:	10.00	Cal:	50	WC: MI6306
2S4000	Structural Steel@106%	1.00	1.00 LS	6,650.070		7,049		Alro Steel		7,049
2S4011	Misc Metals@106%	1.00	1.00 LS	545.750		579		C & M Wire & Rope		579
2S5	PLATES & GRATES@106	1.00	1.00 LS	3,783.000		4,010		Fibergrate		4,010
2SB000	Bolts@106%	1.00	1.00 LS	1,050.790		1,114		Hilti		1,114
\$12,751.39				[]		12,751				12,751
3003.2	Equipment			Quan:	1.00 LS	Hrs/Shft:	10.00	Cal:	50	WC: MI6306
8C50TAT	==> 50 Ton All Terrain Cra	1.00	8.00 HR	138.330				1,107		1,107
8L936	==> CAT 938 Loader	1.00	4.00 HR	55.091				220		220
8TP2500	==> 2008 Chevy Silverado	1.00	8.00 HR	12.109				97		97
\$1,423.87				[]				1,424		1,424
3003.3	Labor			Quan:	1.00 LS	Hrs/Shft:	10.00	Cal:	50	WC: MI6306
FM	==> Foreman	1.00	10.00 MH	40.000		920				920
LB	==> Laborer Class 1	1.00	30.00 MH	20.170		1,572				1,572
OP	==> Operator - Michigan	1.00	4.00 MH	41.000		378				378
OP - SPECIAL	==> Operator - Crane	1.00	8.00 MH	42.500		772				772
\$3,642.05	52.0000 MH/LS		52.00 MH	[1660.01]		3,642				3,642
====> Item Totals:	3003 - CS 13 FRP GRATES									
\$17,817.31	52.0000 MH/LS		52.00 MH	[1660.01]		3,642	12,751	1,424		17,817
17,817.310	1 LS					3,642.05	12,751.39	1,423.87		17,817.31
\$17,817.31	*** Report Totals ***		52.00 MH			3,642	12,751	1,424		17,817

>>> indicates Non Additive Activity

-----Report Notes:-----

The estimate was prepared with TAKEOFF Quantities.
This report shows TAKEOFF Quantities with the resources.

Bid Date: 03/24/21 Owner: Engineering Firm:
Estimator-In-Charge:

JOB NOTES

Labor 09-01-2017
Equipment 12-27-2017

*****Estimate created on: 03/22/2021 by User#: 11 - Gino D'Agostini
Source estimate used: L:\HEAVYBID\EST\RMMIMAST

*****Estimate created on: 03/11/2022 by User#: 11 - Gino D'Agostini
Source estimate used: L:\HEAVYBID\EST\MIDDSEG6

* on units of MH indicate average labor unit cost was used rather than base rate.
[] in the Unit Cost Column = Labor Unit Cost Without Labor Burdens

Direct Cost Report

Activity	Desc	Quantity	Unit	Unit	Perm	Constr	Equip	Sub-	Total
Resource		Pcs	Unit	Cost	Labor	Material	Matl/Exp	Ment	Contract

BID ITEM = 3003

Description = CS 13 FRP GRATES Unit = LS Takeoff Quan: 1.000 Engr Quan: 1.000

In equipment resources, rent % and EOE % not = 100% are represented as XXX%YYY where XXX=Rent% and YYY=EOE%
-----Calendar Codes-----

- 40 40 Hour Work Week (5-8)
- 410 40 hour week (4 days)
- 50 50 Hour Work Week (5-10) (Default Calendar)**
- 60 60 Hour Work Week (6-10)

ESTIMATE SUMMARY (BID PRICES)

Bid #	Client Bid#	Total Cost	Total Cost Unit Price	Markup	Balanced Bid Total	Balanced Bid Unit Price	Pricing Status	Bid Price	Bid Total
3003		CS 13 FRP GRATES		13.6%					
	1.00 LS	18,030.64	18,030.64	2,459	20,490	20,489.66		20,489.660	20,489.66
TOTALS:		18,030.64		2,459	20,490				20,489.66

Code between Balanced Bid & Bid Price: U=Unbalanced, F=Frozen, C=Closing Biditem (item to absorb unbalancing differences).

** in front of the Biditem indicates a Non-Additive item

ESTIMATE SUMMARY (BID PRICES)

Bid #	Client Bid#	Total Cost	Total Cost Unit Price	Markup	Balanced Bid Total	Balanced Bid Unit Price	Pricing Status	Bid Price	Bid Total
-------	-------------	------------	-----------------------	--------	--------------------	-------------------------	----------------	-----------	-----------

BID COSTS =====>	18,031
ACTUAL MARKUP =====>	2,459
TOTAL BID =====>	20,490

Spread Indirects on: TOTAL COST Spread Markup on: TOTAL COST
Default Markup %:

- Labor: 15%
- Burden: 15%
- Perm Matl: 15%
- Const Matl: 0%
- Sub: 5%
- Eqp Op Exp: 0%
- Co. Equip: 0%
- Rented Eqp: 0%
- Trucking: 0%
- Gen Con: 0%
- Allowance: 0%

Spread Addons & Bond TOTAL COST

Bond Calculations

Selected Bond Table: B Description: Class B

	Contract Amount	Rate per 1000	Bond Amount
First:	\$ 100,000	9.50	\$ 194.65
Next:	\$ 2,400,000	9.50	\$ 0.00
Next:	\$ 2,500,000	6.70	\$ 0.00
Next:	\$ 2,500,000	6.30	\$ 0.00
Next:	\$ 2,500,000	5.30	\$ 0.00
Remainder:		5.30	\$ 0.00
Subtotal:			\$ 194.65
Time Threshold1:	Extended Time Rate 1: %		\$ 18.69
Time Threshold2:	Extended Time Rate 2: %		\$ 0.00
Length of Job: ¹⁸	Total Bond Amount		\$ 213.34

----- ESTIMATE NOTES: -----

Bid Date: 03/24/2021 Owner:
Estimator-In-Charge:

Engineering Firm:
Desired Bid (if specified) = 0

Last Summary on 03/09/2023 at 10:13 AM.
Last Spread on 03/09/2023 at 10:13 AM.



Customer Service
 T 1-800-879-8000
 F 1-800-879-7000
 www.hilti.com

Bill-To Address

RIC MAN CONST INC
 38600 VAN DYKE AVE
 STERLING HEIGHTS MI 48312-1170

Quotation 926385085

Page 1(1)

Order Type:	Quotation	Customer Number:	13371699
Creation Date:	12/15/2022	Purchase Order No.:	MIDDD Seg 6 WCD #2
Our Contact:	PI Order Integration	Your Reference:	
		Your Main Contact:	RICKY GIANNETTI
		Your Main Contact Tel.:	586-739-5210

Delivery Address RIC MAN CONST INC, HILTI Store, 25319 DEQUINDRE RD, MADISON HEIGHTS MI 48071-4241

Item No.	Description	Ordered Quantity	Net Price/Unit	Net Value
2210306	STUD ANCHOR KB-TZ2 5/8x6 SS316	2 BOX of 15 EA = 30 EA	509.85 BOX	1,019.70
			Items Total	1,019.70
			Freight	31.00
			Total net value	1,050.70
			Sales Tax	63.04
			Final Total USD	1,113.74

All transactions subject to Hilti's Terms and Conditions available at www.hilti.com.
 Price subject to change without notice.

From: [C&M WIRE ROPE](#)
To: [Ricky Giannetti](#)
Subject: Re: MIDD Segment 6 Safety Chains RFP
Date: Wednesday, February 22, 2023 8:53:19 AM
Attachments: [Response to RFI # 32.pdf](#)

Hi Rick

We are pleased to quote on the following items.

5/16"	Stainless steel chain	8.45 per ft.	@ 48'
5/16"	Stainless steel twin clevis	18.24 ea.	@ 4 pcs
5/8"	Stainless steel eye nut	16.80 ea.	@ 4 pcs.

Total 545.75

10 - 14 says delivery

Thank You,

Scott

C&M WIRE ROPE&SUPPLY.,CO.

Contracting & Industrial Supplies
3347 E.Bristol Rd Burton, Mi 48529
Wire Rope-Chain- Slings-Hoist-Safety
810-742-2090 Fax 810-742-5810
"QUALITY & SERVICE-OUR MOTTO"

On Tuesday, February 21, 2023 at 01:42:44 PM EST, Ricky Giannetti <rgiannetti@ric-man.com> wrote:

Scott, see attached safety chain sketch. I need 4 of these.

Ricky Giannetti
Project Manager RCI
38600 Van Dyke Ave # 100
Sterling Heights, MI 48312

Office (586) 739-5210
Fax (586) 739-8290
Cell (810) 459-0506

Fibergrate Composite Structures Inc

5151 Bellline Rd, Suite 1212 ~ Dallas, TX 75254 USA ~ T: 800-527-4043 ~ F: 972-250-1530



Quote No.68782

Quote Type: Fab Per Approval

(original)

Bid Type: Firm

Customer: Ric-Man Construction Inc.

Date: December 16, 2022

Address: 42600 R Mancini Drive

Phone: (586) 739-5210

Sterling Heights, Michigan 48314

Fax: (586) 739-8290

United States

Opportunity: CS-13 Work Order CRVX 2" x 2"

Location: STERLING HEIGHTS, MICHIGAN 48312

Fibergrate appreciates the opportunity to bid on your FRP requirement, and offers the following quotation for your consideration. Fibergrate is an ISO-9001:2008 certified manufacturer and is one of the original pioneers in the FRP fabrication industry, having invented fiberglass molded grating in 1965. With more than 50 years of experience in FRP fabrications, Fibergrate has the experience and capabilities necessary to design, manufacture, and fabricate the materials for your project to ensure that the assembly at the jobsite will proceed smoothly. Fibergrate continues its commitment as a leader in the FRP market. All of the FRP products and solutions offered in this quotation are heavy metal safe. If you have any questions about heavy metals in FRP products or how they can affect your business, our communities and our environment, please go to our website (www.fibergrate.com) or contact your local Fibergrate Representative.

All material take-offs were derived from Sheet no. WCD #02 R0 - CS-13 Riser Grating

MATERIALS of CONSTRUCTION:

Corvex® 2" deep 2" square mesh molded grating with applied grit surface, color yellow or dark gray or green as selected by buyer.

Non-Domestic 316 Stainless Steel Hardware.

Hold down Clips.

SCOPE of WORK:

Fibergrate® will provide the following:

Sheet no. WCD #02 R0 - CS-13 Riser Grating

Appx 44 Sq.Ft of 2" deep molded grating will be provided at Riser. Grating supports are not considered in this quote and to be provided by others.

The size of the grating area is:

One [1] each 13.32' x 3.28'

NOTES:

Fibergrate reserves the right to a final review of its quotation prior to accepting a purchase order.

This quotation allows for three (3) sets of Approval & Erection drawings, additional drawings are available at an additional cost of \$5.00 per sheet.

Fibergrate's standard fabrication and manufacturing tolerances will apply as follows:

1.) Structural shapes & plate = +/- 1/8"; Cut grating = + 1/8" / - 5/16".

- 2.) Cut grating may have open or unequal stub bars.
- 3.) No specifications for design or products were provided with request for quote.
- 4.) Design criteria and products used in this quotation are per Fibergrate design standards.
- 5.) No design calculations are included with the quotation.
- 6.) Design calculations are available with projects requiring approval drawings at an additional charge.
- 7.) Grating &/or Treads will be attached to the structure using provided hold down clip assemblies.
- 8.) This quotation is based upon customer providing AutoCad drawings to Fibergrate before approval drawings can be started.
- 9.) All grating notches and penetrations not shown can be provided at additional cost.
- 10.) Visit www.fibergrate.com for Company history, literature, catalogs, specifications and product information.

EXCLUSIONS:(to be provided by others)

Anchor bolts (including concrete screws used in conjunction with grating hold down clips), installation, field measurements and any other items not specifically included in the above described "Scope of Work" are to be provided by others.

PRICING:

Fibergrate will provide prefabricated materials per this quotation for the amount of:

Lump Sum Sales Price: **\$3,783.00** (USD) (tax NOT included)

Freight Included in Total Quoted Price for delivery to zip code 48312.

Freight Included based on One Complete Shipment.

Multiple shipments will result in additional charges to be determined at time of request. Executed change orders will be required prior to release of materials for shipment.

TERMS OF DELIVERY:

Terms of Delivery: FOB Point of Origin

SUBMITTAL REVISIONS: Submittal revisions due to customer requested changes will be billed at a rate of \$60/HR for any additional drafting and/or engineering.

QUOTE VALIDITY: This quotation is firm for acceptance within thirty (30) days from the Bid Date.

SHIPMENT: Prices are firm for shipment within six (6) months of date of receipt of order. After six (6) months, prices may escalate per the Producer Price Index (PPI) for Finished Goods as reported at www.bls.gov/ppi. Price will be adjusted at quarterly intervals per the PPI until material shipment. Executed change orders will be required prior to release of materials for shipment.

ESTIMATED DELIVERY:

(Lead times to be determined upon receipt of a purchase order.)

Fibergrate Territory Manager:	Bob Dmytro E-Mail: bdmytro@fibergrate.com Tel: 248-767-4346
Fibergrate Field Sales Manager:	Northeast USA House, George Parker E-Mail: gparker@fibergrate.com Tel: 215-630-8599
This quotation was prepared by:	NP

Terms of Payment: net 30

Terms of Delivery:

Fibergrate Composite Structures terms and conditions govern this quote. [x] See attached.



MACOMB INTERCEPTOR DRAINAGE DISTRICT
06/20/2023 - 07/05/2023

<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>	
Macomb Interceptor Drain	Chapter 20 Chesterfield – 7.4212% Clinton – 21.2122% Fraser – 4.1667% Harrison – 6.3461% Lenox – 1.1179% Macomb – 14.0617% New Haven – 0.8255% Shelby – 9.7911% Sterling Heights – 30.6812% Utica – 1.6170% Washington – 2.7596%							
		Baker	Aloia & Associates, P.C.	\$ 888.25	Invoice #29120 - 06.01.23	Sale of 45345 Garfield Road		
		Astorino	Anderson, Eckstein & Westrick	\$ 21,450.80	Invoice #144414 - 06.13.23	Garfield Interceptor Pilot Program 5/8/23 - 6/4/23	\$ 96.10	
		Astorino	CDW Government	\$ 778.00	Invoice #JT34347 - 05.24.23	Routers - SCADA		
		Astorino	City of Mt. Clemens	\$ 15,933.29	Invoice #28005632 - 06.12.23	Monthly Utilities - April 2023		
		Astorino	Comcast	\$ 594.74	Invoice #23-332 - 05.22.23	Connectivity from NGI to SCADA		
		Astorino	Doetsch	\$ 89,151.85	Invoice #WO20004 App #5 - 06.16.23	2020 Inspection Program - Final	\$ 29,610.80	
		Astorino	Fishbeck	\$ 7,889.50	Invoice #424253 - 06.15.23	2020 Inspection Program through 06.09.23	\$ 20,963.13	
		Astorino	Fishbeck	\$ 1,411.00	Invoice #424278 - 06.05.23	GLWA Engineering Assistance through 06.09.23		
		Astorino	Fishbeck	\$ 2,637.50	Invoice #424279 - 06.15.23	As-Needed Engineering Services through 06.09.23	\$ 67,182.50	
		Downing	FK Engineering Associates	\$ 69,505.96	Invoice #20-058-036 - 06.06.23	Segment 6 CCA - 05.07.23 - 06.03.23	\$ 184,148.75	
		Downing	FK Engineering Associates	\$ 98,854.32	Invoice #20-152-030 - 06.06.23	Segment 5 CCA - 05.07.23 - 06.03.23	\$ (415,556.59)	
		Downing	FK Engineering Associates	\$ 2,053.00	Invoice #22-126-007 - 06.06.23	2022 Critical Areas Inspection Program	\$ 34,531.97	
		Astorino	HESCO	\$ 11,353.00	Invoice #231546 - 06.16.23	CTS-5 Sampler - State Grant		
		Astorino	HESCO	\$ 962.98	Invoice #231573 - 06.23.23	Liquid Detector/Pump Cover - State Grant		
		Astorino	KHVPE, PLC	\$ 3,040.00	Invoice #49728 - 06.01.23	MIDD Policy & Selfridge Agreement		
		Downing	L D'Agostini & Sons, Inc.	\$ 331,341.25	Invoice #WWS-2022-001 App #4 - 06.28.23	Odor & Corrosion Improvements	\$ 9,965,008.30	
		Astorino	Macomb County Treasurer	\$ 2,488.30	Invoice #23-349 - 05.12.23	Equipment Fund Payback - AutoCad Revit		
		Manning	Nickel & Saph, Inc.	\$ 206,281.29	Invoice #22589 - 04.12.23	Insurance Renewal - 04.26.23 - 04.26.24		
		Astorino	NTH Consultants, Ltd.	\$ 3,053.50	Invoice #633006 - 06.09.23	Meter and Drop Shaft Rehab	\$ 50,486.54	
		Downing	Oscar Renda Contracting	\$ 473,400.00	Invoice #WO19024 Est #33 - 06.12.23	Romeo Arm Segment 5 Lining through 05.31.23	\$ 15,551,786.32	
		Downing	Oscar Renda Contracting	\$ 382,934.86	Invoice #WO19024 Est #34 - 06.30.23	Romeo Arm Segment 5 Lining through 06.30.23	\$ 15,126,303.15	
		Downing	Ric-Man Construction	\$ 280,824.87	Invoice #WO23003 Est #22 - 06.28.23	Segment 6 Services 05.21.23 - 06.20.23	\$ 4,588,446.19	
		Astorino	SAK Construction	\$ 218,194.50	Invoice #WWS-2022-006 App #4 - 06.23.23	Garfield Interceptor Lining Project through 06.23.23	\$ 461,965.81	
		Downing	Tetra Tech, Inc.	\$ 26,346.06	Invoice #52081580 - 06.13.23	Odor & Corrosion CCA through 05.26.23	\$ 800,738.40	
		Astorino	Verizon	\$ 1,369.17	Invoice #9935625958 - 05.23.23	Monthly Cellular - 04.24.23 - 05.23.23 (Eq. Fund)		
		Astorino	Verizon	\$ 1,855.21	Invoice #9935625958 - 05.23.23	Monthly Cellular - 04.24.23 - 05.23.23		

MACOMB INTERCEPTOR DRAINAGE DISTRICT
06/20/2023 - 07/05/2023

<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>
<u>CPS</u>		Astorino	Clinton Township Treasurer	\$ 2,515.95	Invoice #23-347 - 05.31.23	Monthly Water - May 2023	
		Astorino	De-Cal, Inc.	\$ 27,440.00	Invoice #APP 1 - 04.30.23	Clintondale PS AC Upgrades through 4/30/23	\$ 246,960.00
		Astorino	De-Cal, Inc.	\$ 56,500.00	Invoice # APP 2 - 06.30.23	Clintondale PS AC Upgrades through 6/30/23	\$ 190,460.00
		Astorino	DTE Energy	\$ 18,321.58	Invoice #23-354 - 06.05.23	Monthly Electric - 05.02.23 - 06.01.23	
		Astorino	JGM Valve	\$ 65,232.00	Invoice #23-15728 - 05.31.23	Plug Valve Replacement	
		Astorino	Oscar W. Larson Co.	\$ 3,089.44	Invoice #915390 - 05.25.23	Generator Diesel Tank Repair	
		Astorino	Rotor Electric	\$ 4,502.01	Invoice #12629 - 06.28.23	VFD Ground Fault Issue Trouble Shooting	
<u>METERS</u>		Astorino	Ayyeka	\$ 1,800.00	Invoice #6426 - 06.21.23	Subscription Package	
		Astorino	Ellis Machine Co. Inc.	\$ 635.00	Invoice #23-358 - 05.31.23	Repair on Fan Shaft	
		Astorino	Grainger	\$ 525.72	Invoice #9714972925 - 05.22.23	Supplies	
		Astorino	HESCO	\$ 8,740.00	Invoice #App 3 - 06.23.23	Meter Maintenance - 05.01.23 - 05.31.23	\$ 451,440.00
<u>NGI</u>		Astorino	Colville Electric Co., LLC	\$ 4,553.76	Invoice #23340 - 06.07.23	VFD Cabinet AC Repairs	
		Astorino	Colville Electric Co., LLC	\$ 504.35	Invoice #23341 - 06.07.23	Conduit Installation for Comcast Integration	
		Astorino	DTE Energy	\$ 1,337.43	Invoice #23-335 - 06.01.23	Monthly Electric - 05.02.23 - 05.31.23	
		Astorino	Excel	\$ 8,995.00	Invoice #INV33261 - 04.27.23	VFD Drive	
<u>OMID</u>		Downing	Oakland County Treasurer	\$ 4,364,430.08	Invoice #CI020113 - 05.31.23	Sewer Disposal - May 2023	
Total				\$ 6,823,715.52			

Budget to Actual
MIDDD
As of June 30, 2023 = 100%

DESCRIPTION	2023 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
REVENUE ACCOUNTS					
GLWA-OMID	48,014,249		48,019,024	(4,775)	100.0%
OMID O&M	4,358,913		4,358,913	-	100.0%
Settlement	100,000			100,000	0.0%
Reimbursements	225,000		518,047	(293,047)	230.2%
PY Revenue-Fund Balance	16,738,220			16,738,220	0.0%
Reimb-Local Communities	17,159,080		17,159,080	-	100.0%
State Grant-ARPA Seg 5 & 6	-		21,601,434	-	100.0%
COVID Grant	-		1,233,700	-	100.0%
Interest	50,000		486,330	(436,330)	972.7%
Total Revenue Accounts	86,645,462	-	93,376,528	16,104,068	107.8%
EXPENSE ACCOUNTS					
GLWA-OMID	48,014,249		48,019,024	(4,775)	100.0%
OMID O&M	4,358,913		4,358,913	-	100.0%
Public Works Wastewater Disposal Division	1,889,760		1,652,756	237,004	87.5%
Office Operations/Insurance	343,100		186,148	156,952	54.3%
SCADA	461,990		179,862	282,128	38.9%
Engineering					
Replenish reserve from CPS refunding	618,680			618,680	0.0%
Drop shaft rehab Design	1,600,000		181,018	1,418,982	11.3%
METCO As Needed	75,000		80,303	(5,303)	107.1%
Data Review-Aquasight	58,000		18,000	40,000	31.0%
Annual Meter Dye Testing	50,000		35,650	14,350	71.3%
As Needed Engineering	250,000		63,319	186,681	25.3%
Odor and Corrosion Construction/CCA	3,280,000		989,851	2,290,149	30.2%
GLWA Assistance	30,000		11,896	18,104	39.7%
General Construction/Engineering Contingency-All Projects	450,000			450,000	0.0%
Garfield Interceptor Lining Pilot	-		2,494,034	(2,494,034)	100.0%
As Needed Applied Science	25,000		26,181	(1,181)	104.7%
As Needed Metco	60,000		26,140	33,860	43.6%
Level Sensors/Pressure/H2S-Meters	214,200		4,971	209,229	2.3%
Odor and Control-Construction	7,010,000		1,314,358	5,695,642	18.7%
Segment 6 Construction Administration-ARPA	685,530		1,196,372	(510,842)	174.5%
Segment 6 Construction/CCA-ARPA	-		5,642,026	(5,642,026)	100.0%
Wastewater Master Plan from reserve	-		59,000	(59,000)	100.0%
SY-S-1, SY-S-2, & WA-S-1 Meter Const Admin/Rehab	927,790		17,090	910,700	1.8%
Segment 5 Construction Admin (ARPA)	972,500		1,150,737	(178,237)	118.3%
COVID Grant	-		1,233,700	(1,233,700)	100.0%
Segment 5 Construction (ARPA)	611,240		3,853,313	(3,242,073)	630.4%
Legal Services	75,000		17,707	57,293	23.6%
Clintondale PS O&M	870,000		662,580	207,420	76.2%
NGI O&M	307,500		130,481	177,019	42.4%
Meters O&M	228,400		138,737	89,663	60.7%
Control Structures and Pump Station O&M	281,370		91,541	189,829	32.5%
Biofilter O&M	25,500		8,955	16,545	35.1%
Contribution Life Cycle Reserve	184,300		184,300	-	100.0%
Interceptor O&M	9,898,300		681,321	9,216,979	6.9%
Stormwater Pump Stations	131,000		131,000	-	100.0%
Sewage Disposal Charges - Mt. Clemens	200,000		180,719	19,281	90.4%
Debt Service - Revenue Bonds	2,458,140		2,458,140	-	100.0%
Total Expense Accounts	86,645,462	-	77,480,143	9,165,319	89.4%

	O&M Balance 6/30/2022	O&M	Total 6/30/2023
Cash - Operating	34,922,137	15,896,385	50,818,522
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		93,376,528	93,376,528
Expenditures		77,480,143	77,480,143
			0
Equity*	34,922,137		50,818,522

Detail of 2022 Equity*

Reserve at 6/30/2022	10,665,604
Construction/ Engineering Reserve	23,088,928
Life Cycle Reserve	1,167,605