

Miller
Santo
VanSyckel

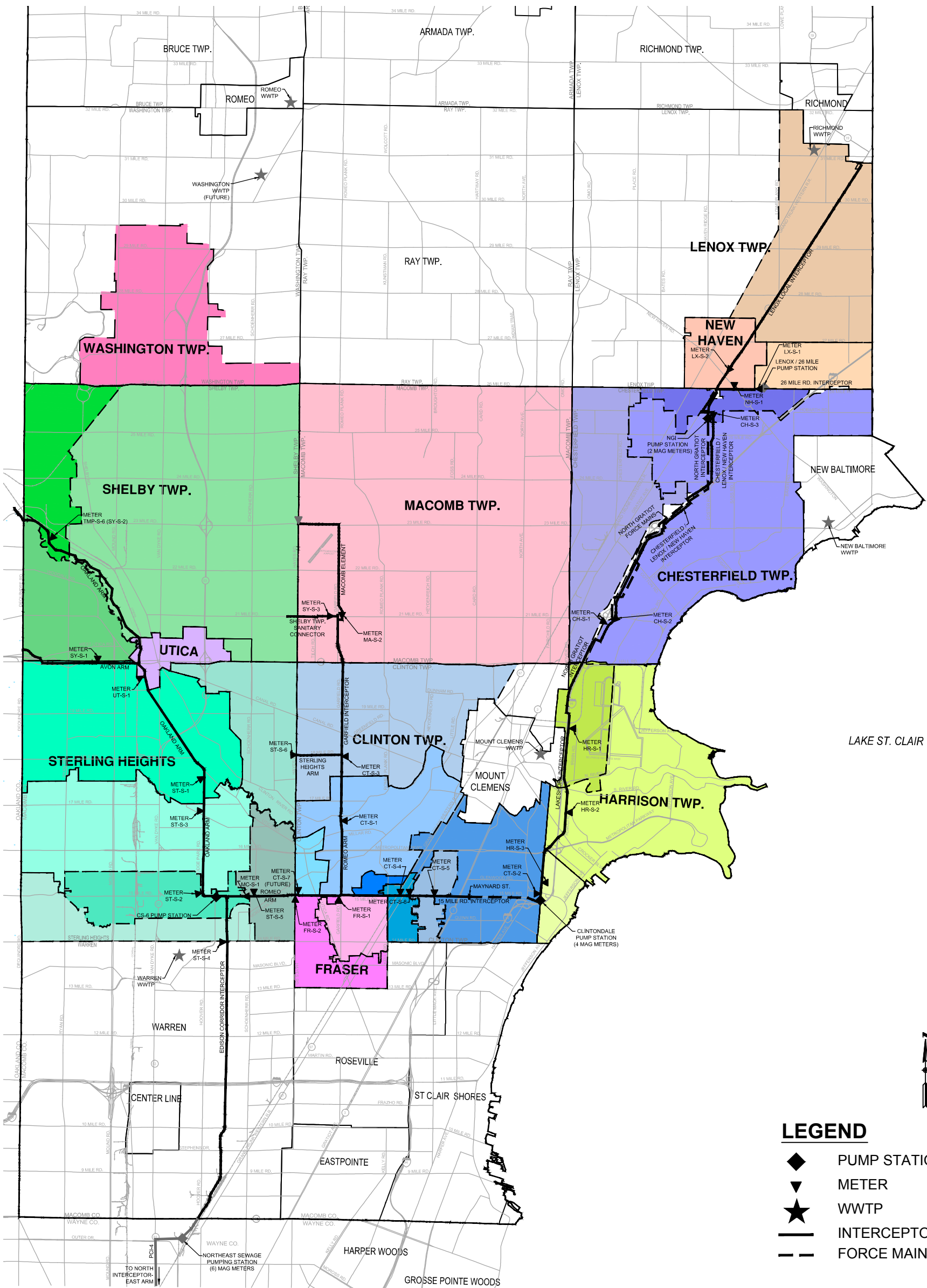
MACOMB INTERCEPTOR DRAIN
INTRA-COUNTY DRAINAGE BOARD
NOVEMBER 8, 2021
10:30 A.M.
AGENDA

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

**Call in Number: 1-575-942-2096
Access Code: 517 329 462**

| | Page |
|--|------|
| 1. Call of meeting to order and roll call | |
| 2. Approval of Agenda for November 8, 2021 | 3 |
| 3. Approval of Minutes for October 18, 2021 | |
| 4. Public Participation | |
| 5. Project Updates – Stephen Downing | 6 |
| 6. Consideration for approval of invoices (see attached) | 23 |
| 7. Financial Report – Bruce Manning | 24 |
| 8. Adjourn | |

MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT



LEGEND

- ◆ PUMP STATION
- ▼ METER
- ★ WWTP
- INTERCEPTOR
- - - FORCE MAIN



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, and virtually per the State Public Act 254 of 2020, on October 18, 2021, at 10:52 A.M.

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

ALSO PRESENT: Brian Baker, Chief Deputy, Stephen Downing, Construction & Maintenance Manager, Bruce Manning, Financial Manager, Vince Astorino, Operations & Flow Manager, Jeff Bednar P.E., Environmental Resources Manager, Kellie Kource, Drain Account Specialist, Norb Franz, Communications Manager, Dan Acciavatti, Deputy Government Relations, Macomb County Public Works

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

Adopted: YEAS: 3
NAYS: 0

Minutes of the meeting of September 13, 2021 were presented. A motion was made by Mr. Santo, supported by Mr. VanSyckel 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.

Mr. Downing updated the board that work on Segment 5 is making progress on dewatering with three additional dewatering wells drilled. They are within target elevation for the crews to continue digging soon. We are also working near Fontana doing the prep work for the spray lining operation and there is a plan to meet with the contractor to catch up on lost time and recover the schedule.

Phase 2 Grouting has slowed due to wet weather days and with competing flow control needs. We are working with Doetsch to create a modified schedule to keep them working and get back on track.

The Meter Rehab project is behind on completion due to DTE pushing back getting power established at the sites which slowed the contractor to install the meters. We expect them to close this project by early November.

The Segment 6 rehabilitation is moving along with Ric Man working aggressively to prep for mobilization and are set to begin work this week.

The Interceptor Inspection program has slowed due to equipment issues. We anticipate the project will resume in November.

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

Adopted: YEAS: 3
NAYS: 0

Mr. Baker and Ms. Miller updated the board that a new M59/Garfield potential property buyer has come forward with an offer, after the previous party recently terminated the agreement. This action today will authorize Ben Aloia and Commissioner Miller to work with the purchaser on a new purchase agreement to acquire the property.

A motion was made by Mr. VanSyckel, supported by Mr. Santo to approve the basic terms of the offer, subject to MIDDD's attorney Ben Aloia and Commissioner Miller working with the purchaser to finalize the details of a favorable Purchase Agreement for Commissioner Miller's execution, and to close the transaction.

Adopted: YEAS: 3
NAYS: 0

The Chair presented the invoices totaling \$5,877,821.98 to the board for review and approval.

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

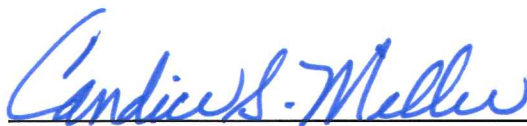
The meeting was adjourned at 11:23 a.m.



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 taking by the Intra-County Drainage Board for the Drainage District shown on the attached set of minutes, on October 18, 2021 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: 10/18/21



Candice S. Miller

Public Works Commissioner
Macomb County

To: Macomb Interceptor Drain Drainage District Board Members

CC: File

From: Stephen Downing, Construction & Maintenance Manager

Date: November 8, 2021

Subject: Construction Projects Status Updates for November 2021 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.
3. Chemical Grout injection around the eye of the Interceptor within the CS-12 Shaft.
4. Excavation and demolition of the Interceptor within the CS-12 Shaft.
5. Safety training with Emergency Rescue services for upcoming in-tunnel work.

6. Oscar Renda continued preparation work prior to starting the spray-lining activity between Fontana and Hayes, including:
 - o Installation of internal steel ribs at MH-05
 - o Saw-cut to increase opening at MH-05 to provide greater access to the Interceptor.
 - o Chemical Grout injection in the Interceptor at MH-05.
7. The wet-weather has impacted the crew's ability to access the Interceptor on a consistent basis.

Construction Costs:

| | Date (if applicable) | |
|--------------------------|----------------------|-----------------|
| Original Contract Amount | 10/21/2020 | \$28,807,500.00 |
| Total Spent to Date | 11/1/2021 | \$8,132,885.79 |
| Remaining Budget | 11/1/2021 | \$20,674,614.21 |



Figure 1 - Sawcut Preparation at MH-05



Figure 2 - Sawcutting to Increase MH-05 Opening



Figure 3 - Chemical Injection Grouting at MH-05

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

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 resumed work in mid-October in the Garfield Interceptor near Hall Road. This work is occurring during the evening and overnight hours due to flow storage during normal working hours.
2. The wet-weather conditions have impacted the crew's ability to access the Interceptor on a consistent basis.

Construction Costs:

| | Date (if applicable) | |
|--------------------------|----------------------|----------------|
| Original Contract Amount | 6/24/2020 | \$3,000,000.00 |
| Total Spent to Date | 11/1/2021 | \$2,568,315.95 |
| Remaining Budget | 11/1/2021 | \$431,684.05 |



Figure 4 - Garfield Interceptor MH-19 Setup Near Hall Road



Figure 5 - Typical Infiltration Near MH-19



Figure 6 - Typical Infiltration Near MH-019



Figure 7 - Typical Infiltration Near MH-19

Meter Facility Rehabilitation

Contractor: Weiss Construction

Engineering Consultant: HRC

Project Description:

The project includes the rehabilitation of three sewerage meter facilities; work includes removal and application of concrete surface repairs and protective coatings, televising, cleaning, and spray-lining the existing influent and effluent connecting sewers; rehabilitation existing adjacent sanitary manholes; improving access and safety features for maintenance personnel; and replacing existing electrical systems.

The sites, SY-S-1 and SY-S-2 are in Shelby Township and WA-S-1 is in Washington Township. The meter facilities are the point of transition of sewerage flow from the local systems into the MIDDD Interceptors. Each of the metering facilities provides the critical flow data required to allocate the billing apportionment for each of the MIDDD member communities.

The Shelby Township meter facilities, originally constructed by DWSD, have reached the end of their useful life and are need of rehabilitation. The MCPWO previously rehabilitated several of the older metering facilities in the system, which were also constructed by DWSD.

The Washington Township meter facility is currently owned by Washington Township, which is a unique situation in the MIDDD system. Typically, the MIDDD assumes ownership of the billing meter facilities, which includes operation and maintenance activity. As such, the MCPWO negotiated a transfer agreement with Washington Township to transfer ownership of this asset to the MIDDD. The two entities agreed to equitable cost sharing terms within the agreement.

The project was designed by Hubbell, Roth and Clark and the construction contract was awarded to Weiss Construction. The total construction cost for the project is \$857,159.00. The work started in April 2021.

Significant project tasks that have occurred over the past month:

1. The Contractor continued to develop and submit the required construction submittals for the Engineering team to review.
2. The Engineering team continued review and return of the required construction submittals.
3. The Contractor is scheduled to conduct the punchlist walk-through in early November.
4. The Certificate of Substantial is expected to be issued in early November.
5. The Contractor completed the site restoration activities at each site.

Construction Costs:

| | Date (if applicable) | |
|--------------------------|----------------------|--------------|
| Original Contract Amount | 12/3/2020 | \$857,159.00 |
| Total Spent to Date | 11/1/2021 | \$655,293.87 |
| Remaining Budget | 11/1/2021 | \$201,865.13 |

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 is scheduled to start in August 2021 and be completed in March 2023.

Significant project tasks that have occurred over the past month:

1. The Engineer & Owner approved relocating the CS-13 shaft to the west approximately 200 linear feet.
2. The Contractor started mobilization of equipment on Monday October 18, 2021, which included implementation of the traffic control plan near the CS-13 site location.
3. The Contractor started excavation of the CS-13 Shaft.
4. The Contractor installed the first two rib and lagging sets for the CS-13 Shaft.
5. The Engineer installed geotechnical monitoring equipment at CS-13.
6. The Contractor continues to develop and submit the required submittals to the Engineer & Owner for review.

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 Spent to Date | 11/1/2021 | \$1,016,130.74 |
| Remaining Budget | 11/1/2021 | \$12,658,078.96 |



Figure 8 - Start of Excavation at CS-13



Figure 9 - Start of Excavation at CS-13



Figure 10 - Construction of the Top Two Rib & Lagging Sets



Figure 11 - Preparation to Hoist Top Rib & Lagging Sets into Excavation



Figure 12 - CS-13 with Top Rib & Lagging Sets Installed

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. The project started in May 2021 and is expected to be completed in October 2021.

Significant project tasks that have occurred over the past month:

1. The Contractor was unable to work this month due to equipment related issues. The progress map was not updated this period due to inactivity.

Construction Costs:

| | Date (if applicable) | |
|--------------------------|----------------------|--------------|
| Original Contract Amount | 1/19/2021 | \$280,034.00 |
| Total Spent to Date | 11/1/2021 | \$62,703.85 |
| Remaining Budget | 11/1/2021 | \$217,330.15 |

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

| <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 – 7.3432% Clinton – 21.3460% Fraser – 4.1370% Harrison – 6.4221% Lenox – 1.0652% Macomb – 13.9284% New Haven – .8271% Shelby – 9.7757% Sterling Heights – 30.7833% Utica – 1.6268% Washington – 2.7451% | | | | | | | | |
| | | Astorino | ADS Environmental Services | \$ 10,540.00 | Invoice #35414-0921A - 10.23.21 | Meter Maintenance - 9.1.21 - 9.30.21 | \$ 214,085.00 | | |
| | | Baker | Aloia & Associates, P.C. | \$ 1,358.50 | Invoice #22824 - 9.1.21 | Garfield Road Sale | | | |
| | | Astorino | Anderson, Eckstein & Westrick | \$ 19,213.45 | Invoice #133792 - 10.19.21 | Engineering Oversight - Phase 2 Grouting | \$ 113,648.50 | | |
| | | Astorino | Applied Science, Inc. | \$ 37,796.00 | Invoice #7984 - 10.28.21 | Dye Dilution Testing - 7.11.21 - 10.25.21 | \$ 43,291.50 | | |
| | | Astorino | Aquasight | \$ 119,530.00 | Invoice #000661 - 10.21.21 | COVID 19 Monitoring - Grant | \$ 1,301,850.00 | | |
| | | Astorino | City of Mt. Clemens | \$ 17,202.36 | Invoice #28003626 - 10.25.21 | Monthly Utilities September 2021 | | | |
| | | Manning | County of Macomb | \$ 1,179.14 | Invoice #AR211034 - 10.26.21 | Fleet Fuel June 2021 | | | |
| | | Manning | County of Macomb | \$ 386,996.13 | Invoice #AR210970 - 9.28.21 | Personnel/Operating Expense 2nd Quarter 2021 | | | |
| | | Astorino | Department of Roads | \$ 1,594.16 | Invoice #301954 - 9.13.21 | Fleet Fuel August 2021 | | | |
| | | Astorino | Fishbeck | \$ 1,350.00 | Invoice #404798 - 10.5.21 | GLWA Assistance through 10.1.21 | \$ 4,714.37 | | |
| | | Astorino | Fishbeck | \$ 1,201.00 | Invoice #404802 - 10.5.21 | As-Needed Engineering through 10.1.21 | \$ 54,676.38 | | |
| | | Downing | Oscar Renda Contracting | \$ 77,400.00 | Invoice #WO19024 Est #14 - 11.1.21 | Romeo Arm Segment 5 Lining through 10.31.21 | \$ 20,674,614.21 | | |
| | | Astorino | Preferred Safe & Lock | \$ 673.14 | Invoice #21-496 - 10.15.21 | Master Locks | | | |
| | | Astorino | Presidio | \$ 1,414.70 | Invoice #6023421005437A - 10.27.21 | SCADA As-Needed | | | |
| | | Downing | Ric-Man Construction | \$ 594,780.83 | Invoice #WO21026 EST 2 - 10.25.21 | Segment 6 Rehabilitation - 10.1.21 - 10.31.21 | \$ 12,658,078.96 | | |
| | | Astorino | Vincent Astorino | \$ 1,203.61 | Invoice #21-498 - 10.27.21 | Reimbursement for WEF Conference | | | |
| | | Downing | Weiss Construction | \$ 62,330.67 | Invoice #WO18351 EST #7 - 10.15.21 | Meter Rehab - 9.18.21 - 10.15.21 | \$ 129,054.70 | | |
| | | <u>Biofilter</u> | | Astorino | City of Fraser | \$ 857.10 | Invoice #21-494 - 10.1.21 | Monthly Utilities - 8.16.21 - 9.16.21 | |
| | | | | Astorino | De-Cal, Inc. | \$ 13,697.10 | Invoice #WO9211679 - 10.14.21 | Main Blower Vibration Issue - Bearing Repair | |
| <u>CPS</u> | | Astorino | Clinton Township Treasurer | \$ 3,081.37 | Invoice #21-492 - 9.30.21 | Monthly Utilities - 8.24.21 - 9.28.21 | | | |
| | | Astorino | Colville Electric Co., LLC | \$ 693.75 | Invoice #210535 - 10.26.21 | Fuses | | | |
| | | Astorino | De-Cal, Inc. | \$ 3,767.25 | Invoice #WO9211810 - 10.14.21 | Replace Motor Sheaves on Exhaust Fans | | | |
| | | Astorino | DTE Energy | \$ 17,209.41 | Invoice #SIJCI-VG4CX - 10.1.21 | Monthly Electric - 9.2.21 - 10.3.21 | | | |
| <u>Meters</u> | | Astorino | Motor City Technologies | \$ 56,689.00 | Invoice #36781 - 10.26.21 | Meter Rehab Project | | | |
| <u>NGI</u> | | Astorino | Chesterfield Township | \$ 3,877.99 | Invoice #Inv#21-495 - 10.1.21 | NGI Force Main Pigging | | | |
| | | Astorino | De-Cal, Inc. | \$ 1,141.20 | Invoice #WO9211649 - 10.14.21 | Assist MCPW with Pig Flush | | | |
| | | Astorino | Fishbeck | \$ 1,368.00 | Invoice #404868 - 10.6.21 | Inspection Program through 10.1.21 | \$ 217,302.72 | | |
| | | Astorino | National Industrial Maintenance | \$ 1,402.50 | Invoice #41359 - 9.29.21 | Jet Vac Cleaning | | | |
| | | Astorino | Rotor Electric | \$ 712.54 | Invoice #12454 - 10.19.21 | Review Level Controllers | | | |
| Total | | | | \$ 1,440,260.90 | | | | | |

Budget to Actual
MIDD
As of Oct 31, 2021 = 33%

| DESCRIPTION | 2022 FINAL BUDGET | ENCUMBERED | ACTUAL | REMAINING BUDGET | PCT UTILIZED |
|--|----------------------|------------|------------|---------------------|--------------|
| REVENUE ACCOUNTS | | | | | |
| GLWA-OMID | 47,284,425 | | 15,762,900 | 31,521,525 | 33.3% |
| OMID O&M | 3,827,015 | | 1,275,672 | 2,551,343 | 33.3% |
| Settlement | 100,000 | | | 100,000 | 0.0% |
| Reimbursements | 200,000 | | 33,426 | 166,574 | 16.7% |
| PY Revenue-Fund Balance | 10,370,340 | | | 10,370,340 | 0.0% |
| Washington Twp Meter Project | 47,470 | | | 47,470 | 0.0% |
| Reimb-Local Communities | 16,476,210 | | 5,492,070 | 10,984,140 | 33.3% |
| COVID Grant | - | | 265,568 | | |
| Interest | 60,000 | | 3,342 | 56,658 | 5.6% |
| <i>Total Revenue Accounts</i> | 78,365,460 | - | 22,832,978 | 55,798,050 | 29.1% |
| EXPENSE ACCOUNTS | | | | | |
| GLWA-OMID | 47,284,425 | | 15,762,900 | 31,521,525 | 33.3% |
| OMID O&M | 3,827,015 | | 1,275,672 | 2,551,343 | 33.3% |
| Public Works Wastewater Disposal Division | 1,702,960 | | | 1,702,960 | 0.0% |
| Office Operations/Insurance | 332,250 | | 49,606 | 282,644 | 14.9% |
| SCADA | 280,490 | | 40,344 | 240,146 | 14.4% |
| Engineering | | | | | |
| Replenish reserve from CPS refunding | 618,680 | | | 618,680 | 0.0% |
| Segment 5(Paid from const/ eng reserve) | - | | 926,014 | (926,014) | 0.0% |
| GLWA Assistance | 40,000 | | 3,375 | 36,625 | 8.4% |
| Repair work stemming from inspection program/Phase III Grout | 3,200,000 | | | 3,200,000 | 0.0% |
| Segment 6 Construction Admin | 1,500,000 | | 67,194 | 1,432,806 | 4.5% |
| Odor and Control Construction | 6,000,000 | | | 6,000,000 | 0.0% |
| General Construction/Engineering Contingency-All Projects | 225,000 | | | 225,000 | 0.0% |
| Aquasight-On going improvements to program | 175,000 | | 58,096 | 116,904 | 33.2% |
| As Needed Applied Science | 25,000 | | | 25,000 | 0.0% |
| As Needed FK Engineering | 60,000 | | | 60,000 | 0.0% |
| As Needed FTCH | 50,000 | | 6,902 | 43,098 | 13.8% |
| As Needed Metco | 90,000 | | 2,808 | 87,192 | 3.1% |
| As Needed Wade Trim | 70,000 | | 674 | 69,326 | 1.0% |
| Level Sensors/Pressure/H2S-Meters | 214,200 | | | 214,200 | 0.0% |
| Meter Dye Testing | 38,600 | | 32,200 | 6,400 | 83.4% |
| Odor and Control-Construction | 1,000,000 | | | 1,000,000 | 0.0% |
| Odor and Corrosion Design | 375,260 | | 155,837 | 219,423 | 41.5% |
| COVID Monitoring -Reimburse from grant | - | | 265,568 | (265,568) | 100.0% |
| Phase II Grouting | 2,000,000 | | 292,224 | 1,707,776 | 14.6% |
| Phase III Grouting | 325,000 | | | 325,000 | 0.0% |
| Segment 6 Construction Administration | 1,503,560 | | | 1,503,560 | 0.0% |
| SY-S-1, SY-S-2, & WA-S-1 Meter Const Admin/Rehab | 1,804,590 | | 459,556 | 1,345,034 | 25.5% |
| Wastewater Master Plan/Contract Capacity | 330,050 | | 12,600 | 317,450 | 3.8% |
| Data Review-Aquasight | 24,090 | | 22,596 | 1,494 | 93.8% |
| Legal Services | 150,000 | | | 150,000 | 0.0% |
| Clintondale PS O&M | 580,000 | | 53,474 | 526,526 | 9.2% |
| NGI O&M | 225,000 | | 28,088 | 196,912 | 12.5% |
| Meters O&M | 190,970 | | 25,366 | 165,604 | 13.3% |
| CS-3 O&M | 216,000 | | 3,600 | 212,400 | 1.7% |
| Biofilter O&M | 26,000 | | 2,103 | 23,897 | 8.1% |
| Contribution Life Cycle Reserve | 171,700 | | | 171,700 | 0.0% |
| Interceptor O&M | 1,738,450 | | 17,731 | 1,720,719 | 1.0% |
| Stormwater Pump Stations | 91,000 | | 30,333 | 60,667 | 33.3% |
| Sewage Disposal Charges - Mt. Clemens | 200,000 | | 36,907 | 163,093 | 18.5% |
| Debt Service - Revenue Bonds | 1,680,170 | | 560,057 | 1,120,113 | 33.3% |
| <i>Total Expense Accounts</i> | 78,365,460 | - | 20,191,825 | 58,173,635 | 25.8% |

| | O&M Balance 6/30/2021 | O&M | Total 10/31/2021 |
|---------------------|--------------------------|------------|---------------------|
| Cash - Operating | 37,753,257 | 2,641,153 | 40,394,410 |
| Accounts Receivable | | | 0 |
| Assets | | | 0 |
| Liabilities | | | 0 |
| Revenues | | 22,832,978 | 22,832,978 |
| Expenditures | | 20,191,825 | 20,191,825 |
| | | | 0 |
| Equity* | 37,753,257 | | 40,394,410 |

Detail of 2021 Equity*

| | |
|---|------------|
| Projected reserve at 6/30/2021 | 8,749,004 |
| Projected Construction/ Engineering Reserve | 28,001,153 |
| Life Cycle Reserve | 1,003,100 |