

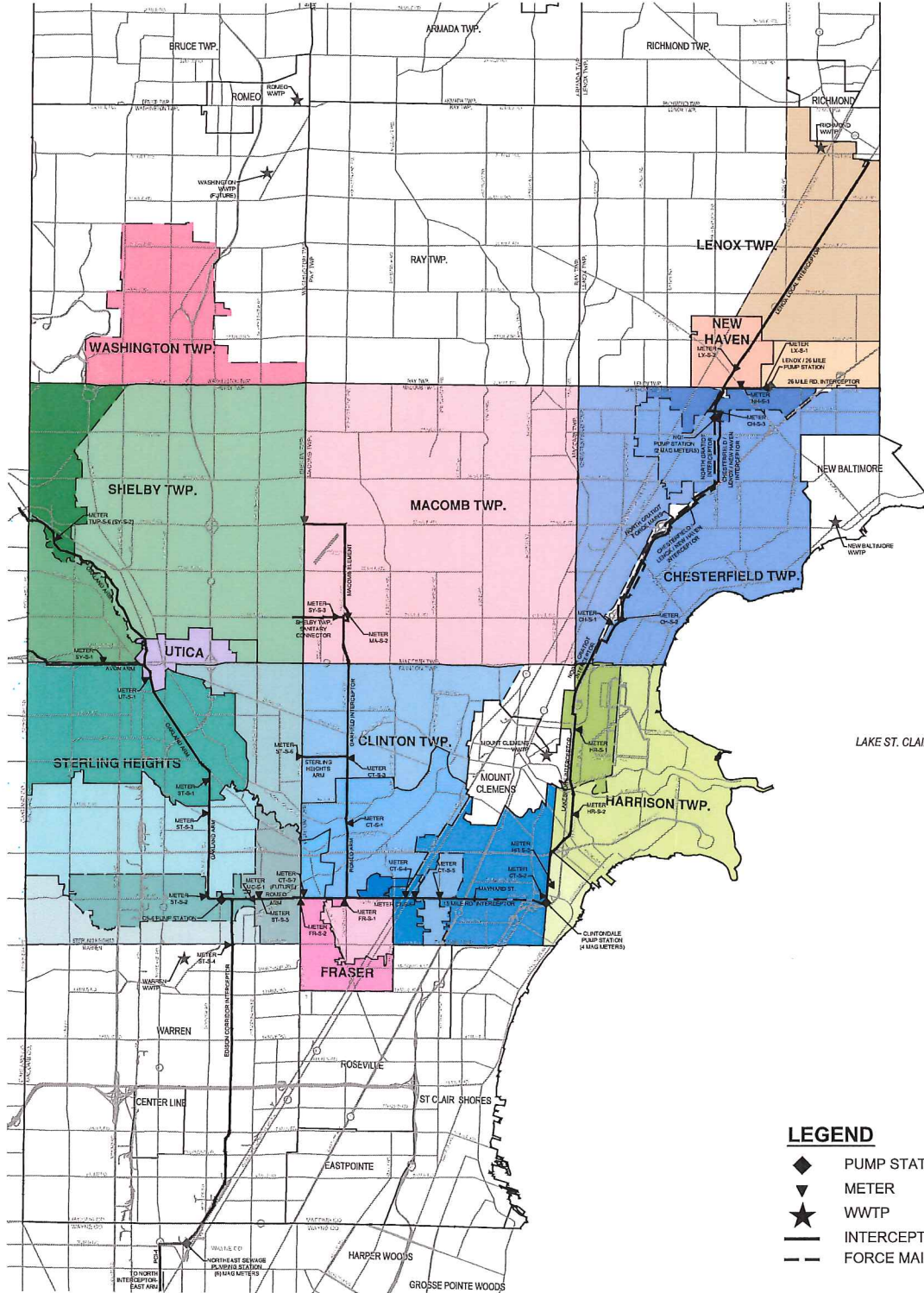
MACOMB INTERCEPTOR DRAIN
MARCH 12, 2018
10:30 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for March 12, 2018	
3. Approval of Minutes for February 12, 2018	3
4. Public participation	
5. MID/OMID Northeast Pump Station Update – Evans Bantios	
6. Motion: Approve Change Order No. 8 from Dan’s Excavating, Inc. for cold weather protection for pavement, reflecting a \$92,260.88 increase to the Recovery Shaft Project – Evans Bantios	5
7. Motion: Approve Change Order No. 9 from Dan’s Excavating, Inc. for sewage backup not covered by insurance, reflecting a \$33,849.97 increase to the Recovery Shaft Project – Evans Bantios	8
8. Motion: Approve the Master Plan Intergovernmental Agreement between MIDD and Southeast Macomb Sanitary District (SEMSD) – Vince Astorino	10
9. Motion: Approve the sole-source purchase of flowmeters for \$107,616.00 from HESCO on behalf of the SEMSD subject to the terms and conditions of the Intergovernmental Agreement – Vince Astorino	14
10. Consideration for approval of invoices (see attached)	21
11. MIDD Financial Report – Bruce Manning	23
12. Old Business	
13. New Business	
14. Adjourn	

Next Regular Meeting

April 9, 2018 at the Office of the Macomb County Public Works Commissioner,
21777 Dunham Road, Clinton Township, Michigan 48036

MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT



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



Candice S. Miller
 MACOMB COUNTY PUBLIC WORKS COMMISSIONER

An adjourned meeting of the Intra-County Drainage Board for the **MACOMB INTERCEPTOR DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham, Clinton Township, Michigan, on February 12, 2018, at 11:28 A.M.

PRESENT: Candice Miller, Chair
Robert Mijac, Member

ABSENT: Bryan Santo, Member

ALSO PRESENT: Robert Leonetti, Marvin Sauger, Macomb County Board of Commissioners; Brian Baker, Chief Deputy, Vincent Astorino, Operations & Flow Manager, Evans Bantios, P.E., Construction and Maintenance Manager, Jeff Bednar, Environmental Engineer, Dan Heaton, Public Relations Manager, Bruce Manning, Financial Manager, Tom Stockel, Construction Engineer, Madison Tanghe, Senior Secretary, Macomb County Public Works

The meeting was called to order by the Chair, Candice Miller. The agenda was approved as presented.

Minutes of the meeting of January 8, 2018 were presented. A motion was made by Mr. Mijac, 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. Bantios updated the board that in order to access the Northeast Pumping Station we had to get an agreement between Macomb Interceptor Drain (MID) and Great Lakes Water Authority (GLWA). It has been approved and signed by GLWA and we now need Board approval. The Northeast Pump Station is at the tail end of the OMID which the MID dumps into. When we had the 15 Mile sinkhole, we lost a lot of soil. A lot of the soil settled out in our section of the pipe. When the soil makes its way into the OMID, velocity picks up and a lot of the soil washes up into a wet well station at the Northeast Pumping Station. We need to get into the pump station to clean out the wet well that's approximately 128 feet deep to prevent damage. This task is in the sinkhole repair contract and has been budgeted.

A motion was made by Mr. Mijac, supported by Ms. Miller to approve the Access Agreement between the MID and the Great Lakes Water Authority (GLWA) for access into the Northeast Sewage Pumping Station to clean out sediment.

Adopted: YEAS: 2
NAYS: 0

Mr. Astorino updated the board on the MID SAW Grant inspection project. Video inspections are essentially complete minus two sections that are hard to get into due to heavy flows. It's going to involve additional work to get in there and inspect those sections properly. Redzone quoted us between \$120,000 - \$130,000. We asked Doetsch for a quote and they came back with an estimate around \$29,00.00. With the timeframe and deadline in May we went ahead and assigned Doetsch to the project. This work is budgeted under the SAW grant.

A motion was made by Mr. Mijac, supported by Ms. Miller to approve video inspection under SAW Grant 1128-01 by Doetsch Environmental Services for a not-to-exceed amount of \$29,000.00

Adopted: YEAS: 2
NAYS: 0

The Chair presented the invoices totaling \$11,850,136.61 to the board for review and approval.

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

Adopted: YEAS: 2
NAYS: 0

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

Adopted: YEAS: 2
NAYS: 0

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

Adopted: YEAS: 2
NAYS: 0

The meeting was adjourned at 11:47 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 February 12, 2018 the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

DATED: 2/13/18

\$92,260.88 INCREASE

RECEIVED
FEB 26 2018

OFFICE OF THE MACOMB COUNTY PUBLIC WORKS COMMISSIONER
CANDICE S. MILLER

CHANGE ORDER FORM

Change Order No. Eight

Owner:	Macomb Interceptor Drain Drainage District (MIDDD) 21777 Dunham Rd., Clinton Twp., MI 48036	Date	2.23.18
Contractor:	Dan's Excavating, Inc. (DEI) 12955 23 Mile Road Shelby Twp., MI 48315	Chief Deputy	<i>LB</i>
Project:	PCI-12A 15 Mile Road Interceptor Repair – Recovery Shaft	Engineer(s)	<i>de</i>
The Contract is modified as follows upon execution of this Change Order:		Manager (el)	<i>de</i>
		Coordinator(s)	<i>SD</i>
		Finance Officer	<i>Wm</i>
		Date:	2/20/18

Previous Change Orders:	Change Order # 1 thru 7	Net Change from Previous Change Orders:	0
Contract Times Net Change to Substantial Completion this Change Order:	0 Days	Contract Times Net Change to Final Completion this Change Order:	183 Days
Substantial Completion Date with All Approved Change Orders:	10-30-17	Final Completion Date with All Approved Change Orders:	6-30-18

Adjustments to the Recovery Shaft Contract for:

Change Order No. 008 is issued to account for compensation to DEI for incorporating changes to the work into the "Recovery Shaft" Contract. This CO No. 008 dated 2/20/18 incorporates additional items and supersedes a previous version dated 2/2/18 negotiated but not executed. The following descriptions and attached documents detail those changes:

Description:

The Engineer, Owner's Representative, and Contractor have negotiated unit pricing for cold weather concrete protection. This unit pricing is applicable to pavement outside the limits previously guaranteed to be open to traffic by December 22, 2017 established in Change Order No. 005. The Contractor will follow American Concrete Institute (ACI) and Michigan Department of Transportation (MDOT) specifications for placement and protection of concrete pavement. Items of work, estimated quantities and unit prices were agreed to by the Owner's representative. Quantities included in this Change Order are actual quantities placed when temperatures were forecast below 32 degrees Fahrenheit within 24 hours post-placement.

8.1.	_CO#8 Cold Weather Protection Conc Pavt with Integral Curb, Nonreinf, 8 inch	160.47 SY	\$7.50	\$1,203.53
8.2.	_CO#8 Cold Weather Protection Conc Pavt, Nonreinf, 9 inch	401.58 SY	\$7.50	\$3,011.85
8.3.	_CO#8 Cold Weather Protection Driveway, Nonreinf Conc, 6 inch, Modified	0 SY	\$6.75	\$0.00
8.4.	_CO#8 Cold Weather Protection Driveway, Nonreinf Conc, 8 inch, Modified	298.87 SY	\$7.50	\$2,241.53
8.5.	_CO#8 Cold Weather Protection Curb and Gutter, Conc	582 FT	\$2.75	\$1,600.50
8.6.	_CO#8 Cold Weather Protection Driveway Opening, Conc, Det M	0 FT	\$3.00	\$0.00
8.7.	_CO#8 Cold Weather Protection Sidewalk, Conc, 4 inch	7,181.7 SF	\$0.75	\$5,386.28
8.8.	_CO#8 Cold Weather Protection Sidewalk, Conc, 6 inch	0 SF	\$0.85	\$0.00

Staff 3.6.18
Approved 19.12.18

OFFICE OF THE MACOMB COUNTY PUBLIC WORKS COMMISSIONER
CANDICE S. MILLER

	CHANGE ORDER FORM	Change Order No.	<u>Eight</u>	
8.9.	_CO#8 Cold Weather Protection Sidewalk Ramp, Conc, 4 inch	0 SF	\$1.00	\$0.00
8.10.	_CO#8 Cold Weather Protection Sidewalk Ramp, Conc, 6 inch	1,114.15 SF	\$1.00	\$1,114.15
8.11.	_CO#8 Cold Weather Protection Sidewalk, Conc, 4 inch, Modified (with Curb Face)	356.7 SF	\$1.00	\$356.70

The Owner, Engineer and DEI have worked collaboratively to maintain the original contract substantial completion date and expedite opening 15 Mile Road and Eberlein Drive to traffic with the understanding there were actual schedule impacts. Specifically, items of work that were not critical path to substantial completion or restoration of traffic patterns to pre-collapse condition were not prioritized. This Change Order represents a collaborated effort between the Owner, Engineer and DEI for agreement on cost and schedule impacts to the "Recovery Shaft" from expedited performance of the "Restoration Plan" Subcontract.

Attachments: DEI Quote and Correspondence

Description:

The proposed permanent access shaft was eliminated from the Contract when lining from CS-3 to the recovery shaft was awarded. Prior to elimination, DEI had prepared detailed CAD drawings for the permanent access shaft and submitted for approval. Incurred cost was \$1,800 plus DEI 4% markup (\$72.00). Engineer concurs.

8.12.	_Detailed Drawing Supplied for Eliminated Item of Work	1.0 LS	\$1,872.00	\$1,872.00
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Attachments: DEI Letter dated November 9, 2017

Description:

DEI ordered the plan quantity of internal stabilizing rib sets and had them available to use on-site. If DEI had waited to order rib sets until needed it would have resulted in unacceptable delays to the repair efforts. 21 of plan quantity 35 were used during repairs. DEI is seeking recovery of material costs for 14 surplus rib sets less salvage value. Engineer concurs.

8.13.	_Material Costs for Unused Internal Stabilizing Rib Sets	1.0 LS	\$12,177.66	\$12,177.66
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Attachments: DEI Letter dated November 9, 2017, Additional supporting documentation regarding salvage value of surplus rib sets and email correspondence between Engineer & DEI.

Description:

Malcolm Drilling Company, Inc. (MDCI) encountered some voids and abandoned utilities which caused the use of extra grout to fill some piers to the correct elevations. Neat Line quantity for one pier was 22 CY. MDCI ordered 27 CY per pier due to routine MDCI means and methods. MDCI is seeking material costs for required grout in excess of 27 CY per pier. Engineer concurs with grout takes and additional quantities.

8.14.	_Material Costs for Excess Grout Required Due to Voids & Abandoned Utilities	1.0 LS	\$18,296.68	\$18,296.68
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Attachments: DEI Letter dated November 9, 2017, Additional supporting documentation regarding material costs from McCoig Materials & Spcrete IP Incorporated and email correspondence between Engineer & DEI.

Description:

PCI-12A 15 Mile Road Interceptor Repair Lining of Interceptor (Recovery Shaft to CS-3) included the following language in the agreement:

"4.02 Contract Times: Days

OFFICE OF THE MACOMB COUNTY PUBLIC WORKS COMMISSIONER
CANDICE S. MILLER

CHANGE ORDER FORM

Change Order No. Eight

- B. Parts of the Work shall be substantially completed on or before the following Milestones:
1. Milestone 1: Lining Installation, shall be completed within 21 days after the date when the Contractor is given access to the sewer to start installation.

4.04 Early Completion Incentive

- A. Owner recognizes that early completion of Milestone 1 benefits the critical path timelines of ongoing work associated with the primary interceptor repair project. As such, the Owner shall pay the Contractor \$15,000 for each day prior to the time (as duly adjusted pursuant to the Contract) specified above for achievement of Milestone 1."

Engineer concurs lining installation was completed in 18 days.

Attachments: DEI Letter dated November 9, 2017

Assignment 10

10.8. <u>Incentive for Early Completion of Milestone 1</u>	3.0 Days	\$15,000.00	\$45,000.00
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The Cost adjustment to the *Contract Price* for this Change Order No. 8 is as follows:

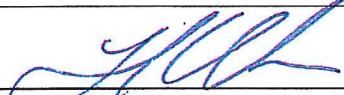
Total Cost adjustment to the "Recovery Shaft" Contract, per this Change Order 8 is: ADD \$92,260.88

The adjustment to the "Recovery Shaft" *Contract Time*, per this Change Order 8 is: 183 Days

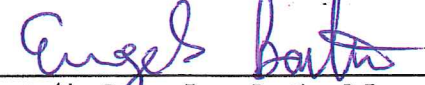
The "Recovery Shaft" Contract Substantial Completion date, remains: October 30, 2017.

The revised "Recovery Shaft" Contract Final Completion, per this Change Order 8 is: June 30, 2018

Contract Price Prior to this Change Order:	\$ 39,695,151.34
Net Change of This Change Order:	\$ 92,260.88
Contract Price Incorporating this Change Order:	\$ 39,787,412.22


Recommended by Engineer: Louis Urban, PE
Senior Project Manager, Anderson, Eckstein & Westrick, Inc.

2/20/18
Date


Accepted by Owner: Evans Bantios, P.E.
Manager of Construction and Maintenance,
Macomb County Public Works

2/22/18
Date

Owner Authorization: Candice S. Miller
Macomb County Public Works Commissioner

Date

Clint McDonald Digitally signed by Clint McDonald
Date: 2018.02.21 15:57:42 -05'00'

Contractor's Acceptance (Authorized Signature):
Dan's Excavating, Inc.

Date

OFFICE OF THE MACOMB COUNTY PUBLIC WORKS COMMISSIONER
CANDICE S. MILLER

RECEIVED
FEB 28 2018
BY: MH

CHANGE ORDER FORM

Change Order No. Nine

Owner: Macomb Interceptor Drain Drainage District (MIDDD)
21777 Dunham Rd., Clinton Twp., MI 48036

Contractor: Dan's Excavating, Inc. (DEI)
12955 23 Mile Road
Shelby Twp., MI 48315

Project: PCI-12A 15 Mile Road Interceptor Repair – Recovery Shaft

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

			Date: <u>2/26/18</u>
Previous Change Orders:	Change Order # 1 thru 8	Net Change from Previous Change Orders:	<u>0</u>
Contract Times Net Change to Substantial Completion this Change Order:	<u>0 Days</u>	Contract Times Net Change to Final Completion this Change Order:	<u>0 Days</u>
Substantial Completion Date with All Approved Change Orders:	<u>10-30-17</u>	Final Completion Date with All Approved Change Orders:	<u>6-30-18</u>

Adjustments to the Recovery Shaft Contract for:

Change Order No. 009 is issued to account for compensation to DEI for incorporating changes to the work into the "Recovery Shaft" Contract. The following descriptions and attached documents detail those changes:

Description:

DEI filed a claim under their Builder's Risk policy for "loss" associated with the PCI-12A Surcharge Event the night of August 22, 2017. Hartford Insurance provided reimbursement for all "loss" except for repair/replacement costs associated with Jay Dee Contractor's specialized pipe carrier. Owner has agreed to pay this additional cost, less DEI's deductible for the insurance coverage.

DEI & Subcontractors Total "Loss" Claim: \$415,855.63
Less DEI Deductible: \$25,000.00
Less "Loss" Covered by Builders Risk Insurance: \$357,005.66
Net Difference: \$33,849.97

_CO#9 Surcharge Event Loss Not Covered by Builder's Risk Insurance \$33,849.97

Attachments: DEI Claim & Proof of Loss Sworn Statement

Ince Date 2-28-18

Chief Deputy _____

Engineer(s) de

Manager(s) _____

Coordinator(s) BD

Finance Officer plm

The Cost adjustment to the *Contract Price* for this Change Order No. 9 is as follows:

Total Cost adjustment to the "Recovery Shaft" Contract, per this Change Order 9 is: ADD \$33,849.97

The adjustment to the "Recovery Shaft" *Contract Time*, per this Change Order 9 is: 0 Days

The "Recovery Shaft" Contract Substantial Completion date, remains: October 30, 2017.

The revised "Recovery Shaft" Contract Final Completion, per this Change Order 9 remains: June 30, 2018

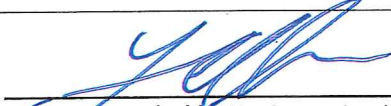
Staff 3-6-18
Board 3-12-18

OFFICE OF THE MACOMB COUNTY PUBLIC WORKS COMMISSIONER
CANDICE S. MILLER

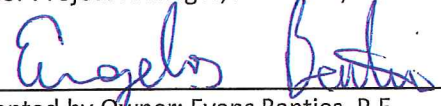
CHANGE ORDER FORM

Change Order No. Nine

Contract Price Prior to this Change Order:	\$ 39,787,412.22
Net Change of This Change Order:	\$ 33,849.97
Contract Price Incorporating this Change Order:	\$ 39,821,262.19


Recommended by Engineer: Louis Urban, PE
Senior Project Manager, Anderson, Eckstein & Westrick, Inc.

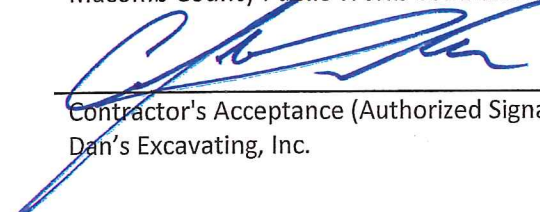
2/28/18
Date


Accepted by Owner: Evans Bantios, P.E.
Manager of Construction and Maintenance,
Macomb County Public Works

2/28/18
Date

Owner Authorization: Candice S. Miller
Macomb County Public Works Commissioner

Date


Contractor's Acceptance (Authorized Signature):
Dan's Excavating, Inc.

2018/02/28
Date

INTERGOVERNMENTAL AGREEMENT

This Intergovernmental Agreement (“Agreement”) is entered into between the Macomb Interceptor Drain Drainage District (“MIDDD”) and the Southeast Macomb Sanitary District (“SEMSD”) and is effective as of _____, 2018.

- A. The MIDDD is a drainage district formed pursuant to Chapter 20 of the Drain Code of 1956, MCL 280.1, *et seq.*
- B. The SEMSD is a public authority formed pursuant to the Municipal Sewage and Water Supply Systems Act of 1955, MCL 124.281, *et seq.*
- C. The MIDDD is in the process of preparing a Request for Proposal (“RFP”) for a MIDDD Master Plan.
- D. SEMSD desires to have a Master Plan for the SEMSD and can achieve significant cost savings by securing its Master Plan as part of the MIDDD Master Plan process.
- E. Additionally, as part of the Master Plan process, the SEMSD requires the purchase, installation, and maintenance of flow meters. The MIDDD has expertise in this area and can purchase, install, and maintain the flow meters for the SEMSD at substantial costs savings to the SEMSD.

WHEREFORE, in consideration of the mutual promises contained herein, the MIDDD and the SEMSD agree as follows;

1. Master Plan.

- a. The MIDDD shall include within the scope of the MIDDD Master Plan RFP and resulting Master Plan agreement the development of a Master Plan for the SEMSD.
- b. The SEMSD shall pay to the MIDDD the actual cost of the SEMSD Master Plan developed under Paragraph 1(a), in an amount not to exceed \$350,000. The MIDDD will manage the Master Plan process and shall make all payments to the Master Plan contractor.
- c. The MIDDD has submitted a State of Michigan Competitive Grant Assistance Program (CGAP) Application (FY 2018). The CGAP Application includes a request for Master Plan funding in the amount of \$125,000. If the CGAP Application results in Master Plan grant funds, the MIDDD shall credit the SEMSD’s payment obligation under Paragraph 1(b) in the amount of Master Plan grant funds actually received, up to the maximum amount of \$125,000.

2. Flow Metering.

- a. The MIDDD will purchase, install, and maintain flow meters in the SEMSD system, which are required for the Master Plan process.
- b. The MIDDD will monitor the flow meters for a period of six months, at which point it will remove the flow meters, clean them, and provide them to the SEMSD.
- c. In exchange for the flow meters and the MIDDD's services under this Paragraph 2, the SEMSD will make payment to the MIDDD as follows:
 - i. The SEMSD will reimburse the MIDDD for the actual cost of the flow meters;
 - ii. The SEMSD will pay the MIDDD for its services under this Paragraph 2 at the hourly employee rates set forth on **Exhibit 1**.
 - iii. The total amount charged to the SEMSD under Paragraphs 2(c)(i) and 2(c)(ii) shall not exceed \$150,000.

3. Immunity. In undertaking the obligations of this Agreement, the MIDDD and the SEMSD are engaging in a governmental function. The activities undertaken herein are not proprietary; and, specifically are not for pecuniary profit and are the type of activities which are typically paid for by taxes, fees, or assessments. Nothing in this Agreement is intended to, or shall be construed as, in any way diminishing the immunity the MIDDD and the SEMSD enjoy under applicable law.

4. Cross-Indemnification. With respect to any claims, damages, demands, liabilities, and costs (collectively, "Liabilities") arising out of or related to the subject matter of this Agreement:

- a. The MIDDD shall indemnify, defend, and hold harmless the SEMSD for all Liabilities caused by the negligence of the MIDDD; and,
- b. The SEMSD shall indemnify, defend, and hold harmless the MIDDD for all Liabilities caused by the negligence of the SEMSD.

5. Due Authorization. This Agreement has been duly authorized by the governing bodies of the MIDDD and the SEMSD.

6. Miscellaneous.

- a. This Agreement has been the product of negotiation between the parties, and there shall be no presumption in favor of either party on the basis of draftsmanship.

- b. Each party has had the opportunity to consult with its legal counsel prior to executing this Agreement, fully understands its terms, and signs as its free act.
- c. This Agreement, and any provision hereof, may not be amended, modified, or waived in the absence of a written instrument executed by the parties and authorized by the governing bodies of the MIDDD and the SEMSD.
- d. This Agreement is the complete and entire agreement between the parties related to the subject matter hereof and supersedes all prior or contemporaneous oral or written agreements, representations, or communications of any kind.
- e. This Agreement shall be construed and governed in all respects in accordance with the laws of the State of Michigan.
- f. This Agreement may be executed in counterparts. An executed facsimile or copy of this Agreement shall be effective as an original.

**MACOMB INTERCEPTOR DRAIN
DRAINAGE DISTRICT**

**SOUTHEAST MACOMB SANITARY
DISTRICT**

By: Candice S. Miller
Its: Board Chairperson

By:
Its:

EXHIBIT 1

TITLE	Name	Hr/Rate
Operation and Flow Manager	Vince Astorino	\$68.47
Wastewater Engineer II	Steve Rozycki	\$46.66
Wastewater Engineer II	Stephen Downing	\$45.37
Wastewater Field Supervisor	Greg Santo	\$44.76
SCADA Systems Manager	Joe Betz	\$34.21
Wastewater Field Operator	Alex Pirkovic	\$31.93
Wastewater Field Operator	Fred Roskopp	\$31.93
Wastewater Field Operator	Nick Gelle	\$31.93



Knowledgeable • Professional • Attentive • Likeable

28838 Van Dyke • Warren, MI 48093
Phone: 586.978.7200 • Fax: 586.978.2200
www.hesco-mi.com

Tuesday, January 9, 2018

Vince Astorino
21777 Dunham Road
Clinton Township, MI 48036

RE: ISCO 2150 Meter Purchase/Lease- HESCO Service

Vince,

I have modified the original quote that was provided to you as follows:

Purchase Option (Items 1,2,3)

Added required Scissors Rings for up to 54" pipe
Applied 10% volume discount for quantity of 20 meter purchase

Lease Option (Item 4)

No changes because this option includes a mounting band for each meter leased and the price already reflects a 10% discount for the quantity of meters and the duration of the Lease and freight to your office.

Service Options (Items 5,6,7,8)

No changes, these prices reflect a discounted rate that is typically offered to Macomb County.

Please call if you have additional questions,

Kevin Livingston

Vince,

Please find attached ISCO Area Velocity Meter quote for Purchase or Lease options. Also included is HESCO Service cost for Site Investigations - Installation Costs - Preventive Maintenance (PM) - Decontamination. ISCO AV Meter Lease Cost is based on a six month assumption per your request.

Line items 1-2 > Purchase ISCO AV Meters
Line item 3 > Lease ISCO AV Meters
Line items 4-7 > HESCO Service

If favored with an Order, please make the Purchase Order out to: Line items (1.00 - 2.00)
Teledyne Isco

P.O. Box 82531
Lincoln, NE 68501

and email or fax it to HESCO at (586) 978-2200 for order entry and processing.

If favored with an Order, please make the Purchase Order out to: Line items (3.00 - 7.00)

HESCO
28838 Van Dyke
Warren, MI 48093

and email or fax it to HESCO at (586) 978-2200 for order entry and processing.

Best regards,

Kevin Livingston

Kip Koszewski
HESCO
E-mail: kip@hesco-mi.com
Tel: 586-978-7200
Fax: 586-978-2200



Knowledgeable • Professional • Attentive • Likeable

28838 Van Dyke • Warren, MI 48093
 Phone: 586.978.7200 • Fax: 586.978.2200
 www.hesco-mi.com

Tuesday, January 9, 2018

To:	Macomb County Public Works Commissioner Vince Astorino 21777 Dunham Road Clinton Township, MI 48036	RFQ #:	Verbal
		Quote #:	0661347137K_K Please refer to this number when ordering
Phone:	586-469-5325		
Fax:			
E-mail:	Vincent Astorino <vincent.astorino@macombgov.org>		

**PRICE QUOTE
 ISCO 2150 Meter Purchase/Lease- HESCO Service**

Item	Description	Qty	Unit Price	Subtotal
2.00	Teledyne Isco Freight Over \$100,000.00 Freight over \$100,000.00	1	\$696.00	\$696.00
1.00	Teledyne Isco 68-2050-002 68-2050-002 2150 Flow Module with 2191 Battery Module. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 33 ft. (10 m) cable, 2 battery holders, and carrying handle with suspension strap. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. Requires Flowlink software and computer connect cable (sold separately).	20	\$4,679.10	\$93,582.00

Item	Description	Qty	Unit Price	Subtotal
1.50	<p>Teledyne Isco</p> <p>68-3000-061</p> <p>68-3000-061</p> <p>Scissors Ring for 50 inch to 54 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, one pair of 20 inch extensions, and one pair of 30 inch extensions.</p>	20 EA	\$666.90	\$13,338.00
3.00	<p>Teledyne Isco</p> <p>68-2050-002</p> <p>Lease of a 2150 Area velocity flow module</p> <p>Monthly Lease Cost \$850.00 per AV Meter/per month Lease Term: 6-Months</p> <p>68-2050-002: Lease - 2150 Flow Module with 2191 Battery Module. Includes Area Velocity Sensor with 10 ft. (3 m) level measurement range and 33 ft. (10 m) cable, 2 battery holders, and carrying handle with suspension strap. Also includes instruction manual and coupon for free Isco Open Channel Flow Measurement Handbook. Requires Flowlink software and computer connect cable (sold separately).</p> <p>Includes Batteries for initial start-up of AV Meter(s)</p> <p>Included Mounting Hardware: ISCO Scissor Ring (Confirmed after Site investigation)</p> <p>68-3000-042: Scissors Ring for 16 inch to 23 inch diameter pipes. Includes base section, scissors mechanism, and one pair of 7.5 inch extensions.</p> <p>68-3000-043: Scissors Ring for 16 inch to 36 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and one pair of 20 inch extensions.</p> <p>68-3000-044: Scissors Ring for 39 inch to 43 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and one pair of 30 inch extensions.</p> <p>68-3000-045: Scissors Ring for 45 inch to 49 inch diameter pipes. Includes base section, scissors mechanism, one pair of 7.5 inch extensions, and one pair of 40 inch extensions.</p>	120	\$850.00	\$102,000.00

Item	Description	Qty	Unit Price	Subtotal
4.00	<p>HESCO</p> <p>Field Service</p> <p>Field Service Technician - Site Investigations</p> <p>HESCO Field Service Technician for site visit during normal business hours (8:00 AM to 4:30 PM):</p> <p>Site Investigation = \$1,250.00 Per Day - Per Service Technician</p> <p>1. This rate is above grade investigations 2. 2-Service Technician On-site 3. Estimate based at 5-10 Metering sites per day (Depends on distance between sites - difficulty in locating & accessing sites) 4. Investigation Assumption: Based at 3-days - 2 Services Technicians = \$2,500.00 Service cost per day</p>	3	\$2,500.00	\$7,500.00
5.00	<p>HESCO</p> <p>Field Service</p> <p>Field Service Technician</p> <p>HESCO Field Service Scope:</p> <p>Installation: ISCO Area Velocity Flow Meter(s)</p> <p>*Confined Spaced Entry Crew - Equipment - Certified Meter Technicians*</p> <p>*Includes Traffic Control - Cones - Truck with lights - Arrow board *</p> <p>(Anything outside this will be quoted separately on a site by site basis)</p>	20	\$1,000.00	\$20,000.00

Item	Description	Qty	Unit Price	Subtotal
6.00	<p>HESCO</p> <p>Field Service</p> <p>Field Service Technician</p> <p>HESCO Field Service Scope: Preventive Maintenance (PM)</p> <p>2-3 HESCO Field Service Technicians On-Site</p> <p>Term: 6-Months</p> <p>Budget Cost Assumption: One site visit per month plus one visit 1-2 weeks after initial Flow Meter installation</p> <p>Site Visit(s): 7 visits per site over the 6-month term</p> <p>Preventive Maintenance (PM) Site Visit entails the following:</p> <ol style="list-style-type: none"> 1. Confined Space Entry - Validate Measurements - Clean Sensor - Validate Post - Adjust - Document - Change Batteries - Dessicant. 2. Data Delivery 3. Retrieval of the ISCO AV Flow Meters is part of the last PM Site visit of the Flow Study period 	140	\$550.00	\$77,000.00
7.00	<p>HESCO</p> <p>Equipment Maintenance</p> <p>Decontaminate - Meter(s)</p> <p>HESCO Field Service: Decontaminate AV Meter(s)</p> <p>20 ISCO Area Velocity Meter(s) = \$150.00 per unit</p> <p>*Clean - Check & Validate Operation - Diagnostics of AV Meter & Sensor - Storage*</p>	20	\$150.00	\$3,000.00

	Subtotal	\$317,116.00
	Taxable Subtotal	\$0.00
	Sales Tax [0.0000%]	\$0.00
	Misc. Charge	\$0.00
	Shipping & Handling Best Way	\$0.00
	Grand Total	\$317,116.00

Terms & Conditions	
Proposed Shipping Date 3 Weeks After Receiving Order	Payment Terms Net 30
Shipping Method Best Way	Shipping Terms Prepaid and Added to Invoice
F.O.B. Factory	This Quotation is valid until 1/31/2018.

Thank you for your inquiry!

Macomb Interceptor Drain - 3/12/18

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance
Macomb Interceptor Drain Administration	Chapter 20 Chesterfield - 7.06912% Clinton - 21.19453% Fraser - 4.20779% Harrison - 5.83288% Lenox - 76183% Macomb - 13.78561% New Haven - .80870% Shelby - 9.87770% Sterling Heights - 31.74642% SRF 5624-01	Baker	Aloia & Associates, P.C.	\$ 3,370.25	Invoice #16924 - 2/1/18	Sale of 45345 Garfield Road	
		Manning	Bank of New York Mellon	\$ 32,547.93	Debt Service Payment	Macomb Element & Sterling Heights Arm Interceptor & Manhole Rehabilitation	
		Baker	FAMS Custom Printing	\$ 586.00	Invoice #1008540 - 2/1/18	Employee Uniforms	
		Astorino	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 2,224.00	Invoice #372555 - 2/5/18	GLWA Assistance	
		Astorino	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 5,081.00	Invoice #372561 - 2/5/18	As-needed Engineering Services	\$ 69,919.00
		Astorino	FK Engineering Associates	\$ 13,985.88	Invoice #17-134-001 - 2/15/18	As-needed Engineering Services - 15 Mile Settlement - Dan's Excavating	To be reimbursed by Clinton Twp.
		Astorino	Giffels Webster	\$ 28,001.25	Invoice #115594 - 1/16/18	Inspection Program & Grant Management	\$ 895,451.47
		Astorino	Hubbell, Roth & Clark, Inc.	\$ 7,147.10	Invoice #0158613 - 2/21/18	MID Sewer Inspection Work - Red Zone	\$ 57,302.56
		Astorino	Hubbell, Roth & Clark, Inc.	\$ 4,971.96	Invoice #0158616 - 2/21/18	MID Condition Assessment	\$ 52,330.60
		Astorino	Johnson & Anderson	\$ 2,750.00	Invoice #41386 - 2/15/18	Conversion of MCMARS to Bluewater	\$ 3,620.00
		Astorino	Macomb County	\$ 543.07	Invoice #300911 - 2/16/18	Monthly Fuel	
		Astorino	Macomb County	\$ 368,001.96	Invoice #AR180127 - 2/26/18	4th Quarter Reimbursement - Personnel & Operating Expenses	
		Astorino	Mount Clemens	\$ 16,945.35	Invoice #12358 - 2/7/18	Sewage Flow Billing - 12/23/17 - 1/19/18	
		Astorino	Sprint	\$ 809.11	Invoice #578736375-076 - 1/27/18	Monthly Cell - 12/24/17 - 1/23/18	
		Baker	Viviano Law	\$ 8,039.40	Invoice #19609 - 2/2/18	Legal Services - ending 1/31/18	Sterling Heights vs. MIDD
		Baker	Viviano Law	\$ 13,848.89	Invoice #19610 - 2/2/18	Legal Services - ending 1/31/18	General Matters
		Biofilter	SRF 5540-01	Manning	Bank of New York Mellon	\$ 18,649.99	Debt Service Payment Biofilter
Clintondale P.S.		Astorino	Cummins Bridgeway	\$ 2,121.01	Invoice #006-59649 - 2/8/18	Replace ruggedized Ethernet switch on	
		Astorino	DE-CAL, Inc.	\$ 1,685.00	Invoice #WO18250031 - 2/14/18	Repair CAV 12 on Pump #4	
		Astorino	DTE Energy	\$ 24,125.60	Monthly Electric - 1/4/18 - 2/1/18		

Macomb Interceptor Drain - 3/12/18

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance
Macomb Interceptor Drain (Continued) 1.5 Mile Sinkhole		Baker	Aloia & Associates, P.C.	\$ 2,019.25	Invoice #16926 - 2/1/18	Sinkhole	
		Bantios	Anderson, Eckstein & Westrick, Inc.	\$ 68,763.96	Invoice #0116638 - 1/26/18 Engineering Services - 12/11/17 - 1/7/18	Recovery Shaft	
		Bantios	Dan's Excavating, Inc.		Change Order #8 - 2/20/18	Cold Weather Protection for Pavement - Net Increase - \$92,260.88	
		Bantios	Dan's Excavating, Inc.		Change Order #9 - 2/26/18	Cost of sewage backup not covered by insurance - Net Increase - \$33,849.97	
		Bantios	Dan's Excavating, Inc.	\$ 386,875.03	Construction Estimate #11 - 3/1/18	Recovery Shaft	
		Bantios	Macomb County	\$ 42,000.00	Invoice #AR180102 - 2/14/18	HAZMAT Air Monitor	
		Baker	Viviano Law	\$ 3,470.50	Invoice #19608 - 2/2/18 Legal Services - ending 1/31/18	Sinkhole	
		Manning	Bank of New York Mellon	\$ 452,738.49	Debt Service Payment Meter Rehabilitation/Repair		
		Astorino	Battery Giant of Macomb Twp.	\$ 539.70	Invoice #17809 - 2/27/18	Backup batteries for Meters SY-S-3 and CH-S-3	
		Astorino	HESCO	\$ 1,625.00	Invoice #10195 - 2/6/18	MID Meter Repair	
	Astorino	HESCO	\$ 15,010.00	Application #15 - 2/11/18	MID Meter Maintenance		
	Astorino	DE-CAL, Inc.	\$ 1,764.50	Invoice #WO18000841 - 2/26/18	Monthly ARV maintenance		
	Astorino	DTE Energy	\$ 1,437.05	Monthly Electrical - 12/30/17 - 1/31/18			
	Baker	Foster Swift	\$ 3,980.00	Invoice #731036 - 2/9/18 Legal Services - ending 1/31/18	Bond Issues		
	Astorino	National Industrial Maintenance-Michigan	\$ 875.00	Invoice #31072 - 1/30/18	Factor Rock Basket		
OMID		Astorino	\$ 4,331,353.33	Invoice #SDS0005646 - 3/1/18	Sewerage Disposal Charges - February 2018		

Total \$ 5,867,886.56

Income Statement
MIDDD
As of February 28, 2018

	30-Jun-17 Total Fund	7-1-17 to 2-28-18 O&M*
Revenues		40,059,939.00
Expenditures		57,706,560.68
Equity	33,301,122	

NOTES

Projected reserve at 6/30/2018 is

* Includes following Projects:

Dec 2016 Sinkhole

10,000,000

70,000,000
5,150,000
131,735

2017A Bond
State Grant
Clinton Twp share of AEW invoice

Revenue	75,281,735
Expenditures	68,751,185
Net	6,530,550

4 SAW Grants

Revenue	1,106,191
Expenditures	844,894
Net	261,297

Sewage Metering(SRF 5487-01)

Revenue	86,790
Expenditures	(23,184)
Net	109,974