

EIGHT AND ONE-HALF MILE RELIEF DRAIN  
INTRA-COUNTY DRAINAGE BOARD  
APRIL 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**

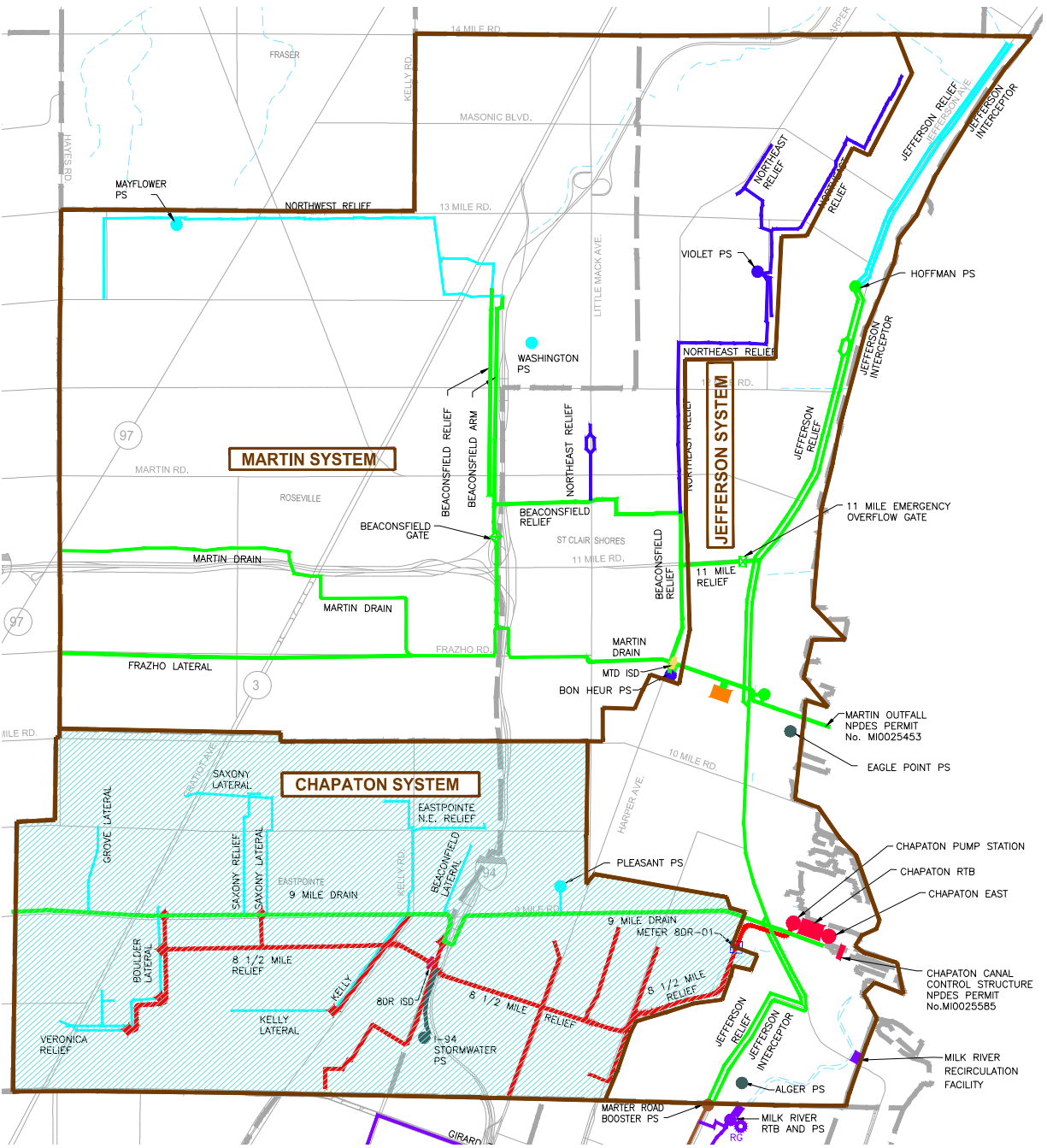
	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for April 10, 2023	
3. Approval of Minutes for March 13, 2023	3
4. Public Participation	
5. Project & Operational Updates – Vince Astorino	6
6. Insurance Policy Renewals – Bruce Manning/Stephen Saph	16
Motion: To approve the Chapter 20 General Liability Insurance coverage renewal with Argonaut Insurance Company in the amount of \$229,845 (8 ½ Mile share \$19,743.69)	
7. Consideration for approval of invoices (see attached)	33
8. Financial Report – Bruce Manning	34
9. Adjourn	

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

# CHAPATON SYSTEM MAP

Macomb County, MI

## Southeast Macomb Sanitary District Wastewater Master Plan



**SYSTEM LEGEND**  
(AS OF DATE OF PUBLICATION)

- SYSTEM BOUNDARY

**DISTRICT LEGEND**  
(AS OF DATE OF PUBLICATION)

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

**ASSET LEGEND**

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

PROJECT NO.

181053

**3.6**

An adjourned meeting of the Intra-County Drainage Board for the **EIGHT AND ONE-HALF MILE RELIEF DRAIN** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham Clinton Township, Michigan on March 13, 2023, at 10:18 A.M.

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

EXCUSED: Sarah Lucido, Member

ALSO PRESENT: Vince Astorino, Operations & Flow Manager; Brian Baker, Chief Deputy; Danielle Devlin, Environmental Specialist; Stephen Downing, Construction and Maintenance Manager; Norb Franz, Communications Manager; Bruce Manning, Finance Manager; Pam Sonnenberg, Administrative Assistant; Tom Stockel, Construction Supervisor; Harold Haugh, Board of Commissioners; Joe Romano, Board of Commissioners; Don VanSyckel, Board of Commissioners

PRESENT VIA TELECONFERENCE: Jeff Bednar, Environmental Resources Manager; 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 Ms. Miller to approve the agenda as presented.

Adopted: YEAS: 2  
NAYS: 0

Minutes of the meeting of February 13, 2023 were presented. A motion was made by Mr. Santo, supported by Ms. Miller to approve the minutes as presented.

Adopted: YEAS: 2  
NAYS: 0

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

Mr. Astorino stated that Chapaton was able to retain and store for the two large wet weather events that we had in February. During the February 27<sup>th</sup> event, Chapaton was the only basin in the region not to spill.

The Chapaton In-System Storage project is moving along well. The excavation work is very slow and wet. They are excavating underneath the interceptor, using a small machine, then hand digging the remainder of the way. They anticipate the excavation under the pipe to be complete by the end of this month. Then we can start pouring concrete. Ms. Miller asked what they do with all of the water. Mr. Astorino said they are pumping it out.

A motion was made by Mr. Santo supported by Ms. Miller to receive and file project updates.

Adopted: YEAS: 2  
NAYS: 0

Mr. Astorino then presented on the Interceptor Inspection Program. Every three years we put out a bid package for inspections across the system depending on which pipes need them at the time. For this

program most will be in the MIDD. There is also the 8 ½ Mile tunnel that has not been inspected since 2012. It's in really good shape and we have walked it, however it is in a ten year rotation for inspection and is due. MCPWO received the lowest bid from Taplin Group, LLC which came in at \$403,919.38. We haven't worked with them before. Ms. Miller asked where they were located and if we had checked their references. Mr. Downing said they are out of Kalamazoo and Mr. Astorino said that their references weren't great but our contracts are solid, and our Project Manager is great for this project, and is worth the potential risk for a \$500,000 savings.

A motion was made by Mr. Santo, supported by Ms. Miller to award the Task 2 base bid amount of \$403,919.38 from the Taplin Group, LLC to perform the work associated with the 2023 Interceptor Inspection Program.

Adopted: YEAS: 2  
NAYS: 0

The Chair presented the invoices totaling \$845,547.51 to the board for review and approval.

A motion was made by Mr. Santo, 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. Santo and supported by Ms. Miller.

Adopted: YEAS: 2  
NAYS: 0

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

Adopted: YEAS: 2  
NAYS: 0

The meeting was adjourned at 10:28 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 March 13, 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*

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Candice S. Miller, Chair  
Macomb County Public Works Commissioner

DATED: 3/13/23



**Candice S. Miller**

Public Works Commissioner  
Macomb County

To: 8 ½ Mile Relief Drain Drainage District Board Members

CC: File

From: Vincent Astorino, Operations & Flow Manager

Date: April 10, 2022

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

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

### Wet Weather Operations

**Wet Weather Event:** March 31, 2023

**Rainfall:** 2.42 inches

**Treated Discharge Volume:** 56.2 MG

**Water Quality Numbers:** 3 cts / 100 ml geometric mean (Permit maximum is 1000 cts/ml)

**Description:** This was a significant rain event in the non-growing season. Everything operated as designed and there were no issues to report.

### Chapaton In-System Storage Project

**Contractor:** Weiss Construction

**Engineering Consultant:** Tetra Tech

**Project Description:**

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

**Significant project tasks that have occurred over the past month:**

1. Submittals are being received and processed by the engineering team.
2. Construction activities per Update Period:
  - Continued staging construction materials delivered & stored along Beaconsfield greenbelt.
  - Maintained secured work site with swing gates and privacy fence screening at construction sites.
  - Continued Beaconsfield site vibration and sensor monitoring and documentation during and shaft construction as required.
  - Continued dewatering and maintaining adequate working conditions within the interior of the Beaconsfield shaft as necessary.
  - Excavated and placed temporary timber supports at 4 locations under existing 11ft tunnel per engineered sequence within the Beaconsfield shaft as required.
  - Removed original wood form lagging installed during tunnel construction from underside of tunnel as required for new tunnel supports.
  - Placed 2 of 6 scheduled low strength concrete mats in preparation for new high strength concrete foundations below existing 11ft tunnel at the Beaconsfield site as designed.
  - Placed upper sections of *Tunnel Eye Supports*, required to support soil at the east and west walls where tunnel runs through the shaft as designed.
3. Construction look ahead:
  - Continue deliveries of construction materials along Beaconsfield greenbelt.
  - Continue Beaconsfield site vibration monitoring & documentation.
  - Continue to excavate and place temporary timber supports under existing 11ft tunnel per engineered sequence within the Beaconsfield shaft as required.
  - Place of flow fill grout at voids for temporary timer tunnel supports and walls as necessary within the Beaconsfield shaft.
  - Continue to excavate and place low strength concrete mud-mat and high strength mass concrete under-side of existing 11.5ft tunnel in proposed design sequence as required.
  - Continue to load out excavated spoils at Beaconsfield work site as necessary.
  - Install (Weld/Cut/Grind) anchors and materials for placement of *Tunnel Eye Supports* at each end of shaft where the tunnel runs through the Beaconsfield shaft.

**Construction Costs:**

	Date (if applicable)	Amount
Original Contract Amount		\$9,673,200.00
Change Order #1	9/15/22	\$269,666.49
Revised Contract Amount		\$9,942,866.49
Total Spent to Date	Pay Apps. #1 - 12	\$3,786,915.00
Remaining Budget		\$6,155,951.49

*Figure 1 – Beaconsfield Shaft Facing West*



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



Figure 2 – Excavating Under Tunnel



*Figure 3 – Removing Existing Timber Forms*



*Figure 4 – Laying Out for New Concrete Support*



Figure 5 – Placing Concrete via Hopper



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Figure 6 – Placing Low Strength Concrete Mat



*Figure 7 – Placing Flow Fill via Chute*



*Figure 8 – Drone Aerial at 100 FT*



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# NICKEL & SAPH, INC.

INSURANCE SINCE 1929

MAILING ADDRESS:

P.O. BOX 46907  
MT. CLEMENS, MI 48046-6907

OFFICE ADDRESS:

44 MACOMB PLACE  
MT. CLEMENS, MI 48043  
(586) 463-4573 • (810) 765-8887  
1-800-657-7373 • FAX: (586) 463-3135  
www.nickelsaph.com

March 30, 2023

Mr. Brian Baker  
Macomb County Intra-County Drains &  
Drainage Districts  
21777 Dunham Road  
Clinton Twp., MI 48036

Dear Mr. Baker:

Please accept the following renewal proposal of certain liability coverages secured for the Intra-County drains and drainage districts.

Carrier: Argonaut Insurance Company  
A. M. Best Rating: A- XIV, Stable. Admitted by the State of Michigan.

**General Liability**

Aggregate Limit: \$2,000,000  
Occurrence Limit: \$1,000,000  
Personal and Advertising Injury: \$1,000,000  
Products/Completed Operations Aggregate: \$2,000,000  
Deductible per Occurrence: \$100,000

**Automobile Liability**

Occurrence Limit: \$1,000,000  
Deductible: \$100,000

Coverage is afforded for non-owned and rented autos only. No aggregate limitation applies.

**Public Officials' Liability**

Aggregate Limit: \$2,000,000  
Per Wrongful Act Limit: \$1,000,000  
Deductible each Wrongful Act: \$100,000

Claims Made Policy Form  
Prior Acts/Retroactive Date: April 26, 2021



**Excess Liability**

Each Occurrence or Wrongful Act:	\$10,000,000
Annual Aggregate:	\$10,000,000

**Premium**

Annual Premium:	\$223,982
Optional Terrorism Risk Insurance:	\$5,863
Total Annual Premium:	\$229,845

The expiring annual premium was \$210,613. The renewal offering has increased \$19,232 or 9.13%. Last year, Terrorism Risk Insurance was included (optional coverage). Premium is not subject to annual audit.

The liability premium is based upon expenditures. Last year ('20/'21) an amount of \$72,638,830 was reported. This year, ('21/'22) an amount of \$79,527,750 was reported. The '21/'22 amount reflects an increase of \$6,903,920 or 9.51%.

Afforded liability limits are separate from each other. Payment of claims for one line of coverage will not affect or reduce the limits dedicated to the remaining lines of coverage. Please refer to policy forms for terms, definitions, conditions, and exclusions.

The deductibles apply to both the payment of claim adjustment expenses and third-party damage payments. Once the deductible is exhausted, the specific limit is dedicated to the payment of third-party damages alone; claim expenses are outside of the afforded limits. Argonaut requires the continued third-party administrator (TPA) relationship with the ASU Group or other approved TPA.

Argonaut has included their proprietary "360" endorsement which adds the following coverage enhancements to the General Liability: Blanket Additional Insured (when required by written contract, agreement, or permit). Broadcasting, Publishing, and Telecasting offenses are covered under Personal Injury. By separate endorsement, Limited Pollution Liability Coverage (extended for Property Damage under the General Liability policy – excludes Bodily Injury) is added for the reverse flow of sewage (endorsement GL-210 [07/00]).

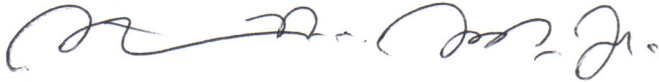
As with the expiring contract, Argonaut is offering: 1) a traditional underlying and excess policy format. No impact on the afforded coverages: same carriers (underlying and excess), same claims and underwriting staff, and same occurrence limit of liability - \$11,000,000. 2) Covered claims are subject to a \$100,000 deductible. 3) The Public Officials' liability coverage is offered on a Claims Made policy form in lieu of an Occurrence form. A retroactive date of April 26, 2021 will apply to covered claims. 4) The excess liability policy does not afford excess automobile liability coverage; the proposed policy affords \$1,000,000 Hired & Non-owned Automobile Liability. The coverage is afforded by way of a Combined (Bodily Injury and Property Damage) Single Limit formant (as before). The afforded limit is provided per Occurrence with no aggregate restrictions (again, same as before). 5) The combined aggregate limit of liability for covered General Liability and Public Officials' Liability claims is \$11,000,000.

In addition to securing the afforded liability coverages, we continue to monitor additions or improvements to the districts' physical assets. We have been advised that no measurable changes

occurred over the past year. You will recall that all property insurance is secure under Macomb County's property insurance policy.

Please review this information and contact me with any questions or concerns. I plan to attend the meeting on Monday, April 10, 2023. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephen R. Saph, Jr.", written in a cursive style.

Stephen R. Saph, Jr., LIC

Agent

Enclosure

Chapter 20  
Insurance Cost Breakdown  
April 26, 2023 Renewal

DRAIN NAME	2023 PERCENT	PORTION OF INSURANCE
Eight Half Mile Relief	8.590%	\$ 19,743.69
Martin Sanitary Diversion	1.662%	\$ 3,820.02
MIDDD	89.748%	\$ 206,281.29

Insurance bill	\$ 229,845.00
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\*\*\* After an analysis of the 2022 expenses, other drain's portions were minimal and insignificant

MIDDD Costs	
Liability	\$ 206,281.29
Third-Party Administrator	\$ 1,500.00
Underground Infrastructure	<u>\$ 19,000.00</u>
MIDDD Total Cost	\$ 226,781.29



Insurance Proposal  
for  
Macomb County Intra County Drains and Drainage,  
Michigan

EFFECTIVE DATE  
**04/26/2023 – 04/26/2024**

Coverage Offered Through:



PRESENTED BY:



# GENERAL LIABILITY

Occurrence

<b>Standard Coverage</b>	<b>Limit</b>
Bodily Injury/Property Damage	\$1,000,000
Personal Injury/Advertising Injury	\$1,000,000
Damages to Premises Rented to You	\$100,000
Employee Benefits (\$1,000 deductible applies)	\$1,000,000
General Aggregate	\$2,000,000
Products/Completed Operations Aggregate	\$2,000,000
GL Deductible Each Occurrence (Expenses included within retention)	\$100,000
Medical Payments	Excluded
Retroactive Date	N/A

<b>Optional Coverages</b>	<b>Limit</b>	<b>Deductible</b>
Unmanned Aircraft Under 25 Pounds – GL-230	\$25,000	\$100,000

# PUBLIC OFFICIALS

Claims Made

<b>Standard Coverage</b>	<b>Limit</b>
Per Wrongful Act	\$1,000,000
Annual Aggregate	\$2,000,000
Employment Related Wrongful Acts	Excluded
Deductible Each Wrongful Act (Expenses included within retention)	\$100,000
Retroactive Date	4/26/2021

<b>Additional Coverages</b>	<b>Limit</b>	<b>Deductible</b>
Non-Monetary Defense Limit	\$10,000	\$100,000
Non-Monetary Defense Annual Aggregate	\$50,000	

# AUTOMOBILE LIABILITY

## Standard Coverage

	<b>Limit</b>	<b>Symbol</b>
Liability Limit (CSL)	\$1,000,000	8,9
Deductible	\$100,000 Per Accident	
Uninsured Motorist	N/A	
Underinsured Motorist	N/A	
PIP/No Fault	N/A	
Medical Payments	N/A Each Insured N/A Aggregate	
Hired & Non-Owned		HNO Only
<b>Total Units Quoted</b>		<b>0</b>

# EXCESS LIABILITY

## Standard Coverage

## Limit

Each Occurrence, Offense, Accident or Wrongful Act

\$10,000,000

Annual Aggregate

\$10,000,000

## *Underlying Insurance*

General Liability

\$1,000,000

Public Officials Liability

\$1,000,000



The following is a price breakdown for this quotation:

<b>Coverage</b>	<b>Subtotal</b>	<b>TRIA</b>	<b>Total Premium</b>
General Liability	\$156,904	\$4,707	\$161,611
Public Officials Liability	\$28,436	N/A	\$28,436
Auto Liability	\$100	N/A	\$100
Excess Liability	\$38,542	\$1,156	\$39,698
<b>Total</b>	<b>\$223,982</b>	<b>\$5,863</b>	<b>\$229,845</b>

# Risk Control Services Proposal For Macomb County Intra County Drains and Drainage

The Breadon Group in partnership with Trident Public Risk Solutions' Risk Control division works to provide our customers with cost-effective, Risk-Management-driven solutions to minimize exposure to losses. Since our business focus is on the public sector, we have the unique background to work with our customers, bringing in a wealth of experience in risk control for public entities throughout the country.

Our staff has extensive expertise in providing Risk Control services to our public entity customers. In addition, we have also assembled a network of industry experts and partners to assist in the delivery of services and specialized consulting. Coordinated through our corporate offices, this broad-based team can deliver timely world-class Risk Control services that are targeted to achieve effective results.

## Trident Risk Control Website

Trident Risk Control offers an easy-to-navigate, fully searchable website with an array of resources to assist you in your program development and implementation. Resources available on the site include:

- **White papers** on topics such as:
  - Law Enforcement Liability
  - Playground Safety
  - Self-Inspection Check Lists
  - Management Operational Guides
  - Catastrophe Planning
  - Many others
- **Important links** to web resources
- Information on our **FREE web-based training** classes, with over 200 courses available
- **Partner resources**
- **Ask-the-Risk -Manager** portal with 24-hour turnaround time for risk control questions
- **E-Newsletter** archive

Visit the website at <https://www.argolimited.com/pages/argo-group-home/our-brands/trident/risk-control>

The Breadon Group in partnership with Trident Risk Control also makes a wide variety of services available to you to assist in the development of your risk management program. The following services can be accessed by a request to your agent or through contacting us at: [asktheriskmanager@tridentpublicrisk.com](mailto:asktheriskmanager@tridentpublicrisk.com).

### **Risk Management Consultation**

If you have risk management questions, Trident's Risk Control Group has the answers, tools, or resources that you need. Sending us a question through our [Ask-the-Risk Manager portal](#) on our website or emailing us directly at [asktheriskmanager@tridentpublicrisk.com](mailto:asktheriskmanager@tridentpublicrisk.com). Our **24-Hour pledge** to you is to provide you help within one business day – but it is usually a lot faster. We are here to help!

### **Risk Control e-Newsletters and Special Bulletins**

Trident Risk Control produces monthly newsletters with topics of interest and timely special bulletins for the many diverse departments at your organization. Subscribe and pass on to others, or supply us with a list of employee emails and we'll add everyone on your list to the distribution.

### **Model Law Enforcement and Detention Center Policies and Procedures**

Trident partners with world-class law enforcement consultant [OSS Law Enforcement Advisors](#) to provide free model policies for use by law enforcement and detention center representatives. When the Supreme Court provides new rulings that affect law enforcement and detention center operations, your policies will need to be altered to comply with the new rulings—and Trident can provide them.

### **Discounted Property Appraisals**

Having correct property valuations is important to any risk management program to ensure that, if disaster strikes, a structure to be replaced is valued properly. We offer discounted property appraisals for the locations that you select through our partner, [HCA Asset Management](#). We will coordinate with HCA to ensure that the appraisal services are delivered in a timely manner.

### **Systems Optimization and Maintenance**

Saving money, reducing maintenance, and reducing equipment risk factors are important considerations for any organization. Through our partner, [Hartford Steam Boiler](#), we make available a number of tools, including maintenance suggestions and optimization calculators, to your maintenance and engineering staff. The tools can be accessed through our Partner Resources Portal on our website.

### **Online Training**

Sometimes it is difficult to locate the specialized training that you need for your organization's staff. Trident Risk Control Services has over [200 training courses](#) available online to help you meet that need. Our partner, LocalGovU, has worked with us to develop topics specifically for governmental entities.

**Loss Analysis:** Understanding how to efficiently deploy your loss prevention efforts includes looking at elements such as number of claims, types, and department(s) in which they occur. Trident's Loss Analysis will provide a five-year look back, breaking down the losses to give you a clear picture of not only where they are occurring, but also causal factors. Simply contact your agent, Risk Control representative, or request a copy through: [asktheriskmanager@tridentinsurance.net](mailto:asktheriskmanager@tridentinsurance.net).

**Program Development:** One of your entity's more challenging tasks to undertake is creating or modifying a program. We can help through sample programs and sound advice on how to implement those programs across the diverse departments with which you work.

**GENERAL CONDITIONS**

**This proposal is based on information provided to The Breadon Group, LLC by the Agent.**

**The quotation in this proposal does not necessarily match the coverages or limits requested in the bid specifications and/or application. No warranty is made or implied with respect to the total compliance to bid specifications or applications.**

**Each individual policy contains the actual terms, conditions and exclusions. This proposal highlights certain features and benefits of the Trident program.**

**ADDITIONAL INFORMATION: REQUIRED AT BINDING**

1. Signed TRIA Form

## POLICYHOLDER DISCLOSURE NOTICE OF TERRORISM INSURANCE COVERAGE

You are hereby notified that under the Terrorism Risk Insurance Act, as amended, you have a right to purchase insurance coverage for losses resulting from acts of terrorism. As *defined in Section 102(1) of the Act*: The term "act of terrorism" means any act or acts that are certified by the Secretary of the Treasury - in consultation with the Secretary of Homeland Security, and the Attorney General of the United States - to be an act of terrorism; to be a violent act or an act that is dangerous to human life, property, or infrastructure; to have resulted in damage within the United States, or outside the United States in the case of certain air carriers or vessels or the premises of a United States mission; and to have been committed by an individual or individuals as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.

YOU SHOULD KNOW THAT WHERE COVERAGE IS PROVIDED BY THIS POLICY FOR LOSSES RESULTING FROM CERTIFIED ACTS OF TERRORISM, SUCH LOSSES MAY BE PARTIALLY REIMBURSED BY THE UNITED STATES GOVERNMENT UNDER A FORMULA ESTABLISHED BY FEDERAL LAW. HOWEVER, YOUR POLICY MAY CONTAIN OTHER EXCLUSIONS WHICH MIGHT AFFECT YOUR COVERAGE, SUCH AS AN EXCLUSION FOR NUCLEAR EVENTS. UNDER THE FORMULA, THE UNITED STATES GOVERNMENT GENERALLY REIMBURSES 80% OF COVERED TERRORISM LOSSES EXCEEDING THE STATUTORILY ESTABLISHED DEDUCTIBLE PAID BY THE INSURANCE COMPANY PROVIDING THE COVERAGE. THE PREMIUM CHARGED FOR THIS COVERAGE IS PROVIDED BELOW AND DOES NOT INCLUDE ANY CHARGES FOR THE PORTION OF LOSS COVERED BY THE FEDERAL GOVERNMENT UNDER THE ACT.

YOU SHOULD ALSO KNOW THAT THE TERRORISM RISK INSURANCE ACT, AS AMENDED, CONTAINS A \$100 BILLION CAP THAT LIMITS U.S. GOVERNMENT REIMBURSEMENT AS WELL AS INSURERS' LIABILITY FOR LOSSES RESULTING FROM CERTIFIED ACTS OF TERRORISM WHEN THE AMOUNT OF SUCH LOSSES IN ANY ONE CALENDAR YEAR EXCEEDS \$100 BILLION. IF THE AGGREGATE INSURED LOSSES FOR ALL INSURERS EXCEED \$100 BILLION, YOUR COVERAGE MAY BE REDUCED.

The prospective premium for certified acts of terrorism coverage is **\$5,863**.

Please tell your insurance agent or broker whether you accept or reject certified acts of terrorism coverage.

## Acceptance or Rejection of Terrorism Insurance Coverage

	Accept - I hereby elect to purchase terrorism coverage.
	Reject - I hereby decline to purchase terrorism coverage.

\_\_\_\_\_  
Policyholder/Applicant's Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Date



EIGHT AND ONE-HALF MILE RELIEF  
03/07/2023 - 04/04/2023

<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Project Balance</u>
8 1/2 Mile Relief	Chapter 20 State of MI – 16.04% County of Macomb – 2.25% Dept. of Roads – 2.25% Eastpointe – 54.33% St. Clair Shores – 25.13%	Astorino	Anderson, Eckstein, & Westrick	\$ 1,660.05	Invoice #142814 - 03.08.23	Gate Rehabilitation Project - 01.16.23 - 02.12.23	\$ 78,840.45
			Colville Electric Co., LLC	\$ 28,260.55	Invoice #23131 - 03.14.23	Flow Meters	
			Colville Electric Co., LLC	\$ 543.33	Invoice #23229 - 03.22.23	Flushing Chamber Power Issues	
			Colville Electric Co., LLC	\$ 1,230.85	Invoice #23174 - 03.22.23	Heater Conduits and Wiring Office Improvements	
			Colville Electric Co., LLC	\$ 576.45	Invoice #23160 - 03.22.23	Replace Motor Wiring on Garage Door	
			Colville Electric Co., LLC	\$ 525.16	Invoice #23265 - 03.29.23	Troubleshoot Hydraulic System - Dewater Gate	
			Consumers Energy	\$ 1,110.87	Invoice #202965619672 - 03.09.23	Monthly Utilities - 02.08.23 - 03.09.23	
			Consumers Energy	\$ 1,322.39	Invoice #207147029249 - 03.09.23	Monthly Utilities - 02.08.23 - 03.09.23	
			Consumers Energy	\$ 579.66	Invoice #202965619671 - 03.09.23	Monthly Utilities - 02.08.23 - 03.09.23	
			DTE Energy	\$ 523.09	Invoice #23-137 - 02.15.23	Monthly Electric - 01.27.23 - 02.13.23	
			DTE Energy	\$ 589.46	Invoice #23-130 - 02.28.23	Monthly Electric - 02.01.23 - 02.28.23	
			DTE Energy	\$ 10,257.11	Invoice #23-165 - 03.15.23	Monthly Electric - 02.08.23 - 03.08.23	
			DTE Energy	\$ 1,069.92	Invoice #23-163 - 03.15.23	Monthly Electric - 02.14.23 - 03.14.23	
			Interstate Billing Service	\$ 2,943.88	Invoice #Z61670 - 02.28.23	Backhoe Repairs	
			JCI Jones Chemicals Inc	\$ 10,069.35	Invoice #908827 - 03.15.23	Hypochlorite Solution	
			Kendall Group	\$ 880.00	Invoice #S112511005.001 - 02.07.23	Clear PVC Pipe	
			OHM Advisors	\$ 1,800.50	Invoice #61156 - 03.23.23	PS Ventilation Study	
			People Driven Technology	\$ 1,220.63	Invoice #INV4098 - 03.07.23	SCADA VEEAM Support Renewal	
			People Driven Technology	\$ 4,855.86	Invoice #INV4114 - 03.07.23	SCADA VMWare Software	
			PVS Nolwood Chemicals	\$ 17,662.67	Invoice #788521 - 03.03.23	Hypochlorite Solution	
			Swan Analytical Instruments	\$ 1,506.53	Invoice #CD10006865 - 03.06.23	TRC Testing Agents	
			Testing Engineers & Consultants	\$ 1,070.00	Invoice #154078 - 02.28.23	Flushing Project	
			Wade Trim	\$ 20,224.35	Invoice #2026980 - 03.27.23	Chapaton RTB Canal Rehab - Design	\$ 53,877.34
Weiss Construction	\$ 82,063.53	Invoice #WWS-2021-006-APP12 - 03.23.23	In-System Storage through 03.17.23	\$ 6,238,015.02			
<b>Total</b>			\$ 192,546.19				

**Budget to Actual**  
**8.5 Mile Relief**  
**As of March 31, 2023 =50%**

DESCRIPTION	2023 FINAL BUDGET	ENCUMBERED	ACTUAL	REMAINING BUDGET	PCT UTILIZED
<b>REVENUE ACCOUNTS</b>					
Interest Earned	20,000		124,836	(104,836)	624.2%
Other Revenue	5,000		156,901	(151,901)	3138.0%
State Grant-Electrical and Canal Rehab			582,382	-	100.0%
8.5 O&M/Charge Required Revenue	5,003,220		5,003,220	-	100.0%
PY Revenue-Fund Balance	4,412,010			4,412,010	0.0%
Use of Reserve from prior contributions	3,738,110			3,738,110	0.0%
Use of Reserve(Flow Meters)	350,000			350,000	0.0%
Use of SCADA Reserve	64,750			64,750	0.0%
Use of Surplus from past collections	1,051,830		-	1,051,830	0.0%
<b>Total Revenue Accounts</b>	<b>14,644,920</b>	<b>-</b>	<b>5,867,339</b>	<b>9,359,963</b>	<b>40.1%</b>
<b>EXPENSE ACCOUNTS</b>					
Application/Permit Fee	6,000		6,000	-	100.0%
Dues, Training, Conf, Subs.	17,010		165	16,845	1.0%
<b>Engineering</b>					
Sluice & Dewatering Gates Rehab/Replacement Project	1,974,340		1,661	1,972,679	0.1%
Canal Rehab Design	320,000		222,357	97,643	69.5%
8.5 Mile Inspection Project	500,000		16,410	483,590	3.3%
9 Mile Drain & Dewater Accusonic Flow Meters	350,000		134,508	215,492	38.4%
9 Mile Emergency Bypass Structural Rehab	3,000,000		7,633	2,992,367	0.3%
Flushing	1,895,660		1,534	1,894,126	0.1%
Chapaton Electrical Upgrades(ARP Funds)	-		74,138	(74,138)	100.0%
As needed Engineering	39,110		10,229	28,881	26.2%
Sluice and Dewatering Gates Rehab/Replace Project(Was 9 Mile PS)	2,025,660		56,350	1,969,310	2.8%
Cost Share Army Corp Grant-Green Infrastructure Project	162,500			162,500	0.0%
9 Mile Bypass Pipe Structural Repairs-Construction/CA	308,010		1,491	306,519	0.5%
Chapaton Improvements-Office Space Downstairs	100,000		1,231	98,769	1.2%
In-System Storage-Construction Admin and Construction	1,659,410		1,589,183	70,227	95.8%
New Equipment	3,000			3,000	0.0%
Office Supplies	500			500	0.0%
Operating Supplies	81,800		40,912	40,888	50.0%
Other Professional Svcs	42,500		20,503	21,997	48.2%
Personnel Services	1,135,790			1,135,790	0.0%
Repair & Maintenance	246,000		35,629	210,371	14.5%
Contribution to Reserve	288,240			288,240	0.0%
Scada System	199,390		28,689	170,701	14.4%
Utilities	290,000		69,362	220,638	23.9%
<b>Total Expense Accounts</b>	<b>14,644,920</b>	<b>-</b>	<b>2,317,985</b>	<b>12,326,935</b>	<b>15.8%</b>

	O&M Balance 9/30/2022	O&M	Total 3/31/2023
<b>Cash - Operating</b>	9,802,509	3,549,354	13,351,863
<b>Accounts Receivable</b>			0
<b>Assets</b>			0
<b>Liabilities</b>			0
<b>Revenues</b>		5,867,339	5,867,339
<b>Expenditures</b>		2,317,985	2,317,985
			0
<b>Equity*</b>	9,802,509		13,351,863

**Detail of 2022 Equity\***

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