

Gregg  
Miller  
Nash  
Suma  
Wiley

CLINTON RIVER SPILLWAY  
INTER-COUNTY DRAINAGE BOARD  
JUNE 22, 2021  
10:00 A.M.  
AGENDA

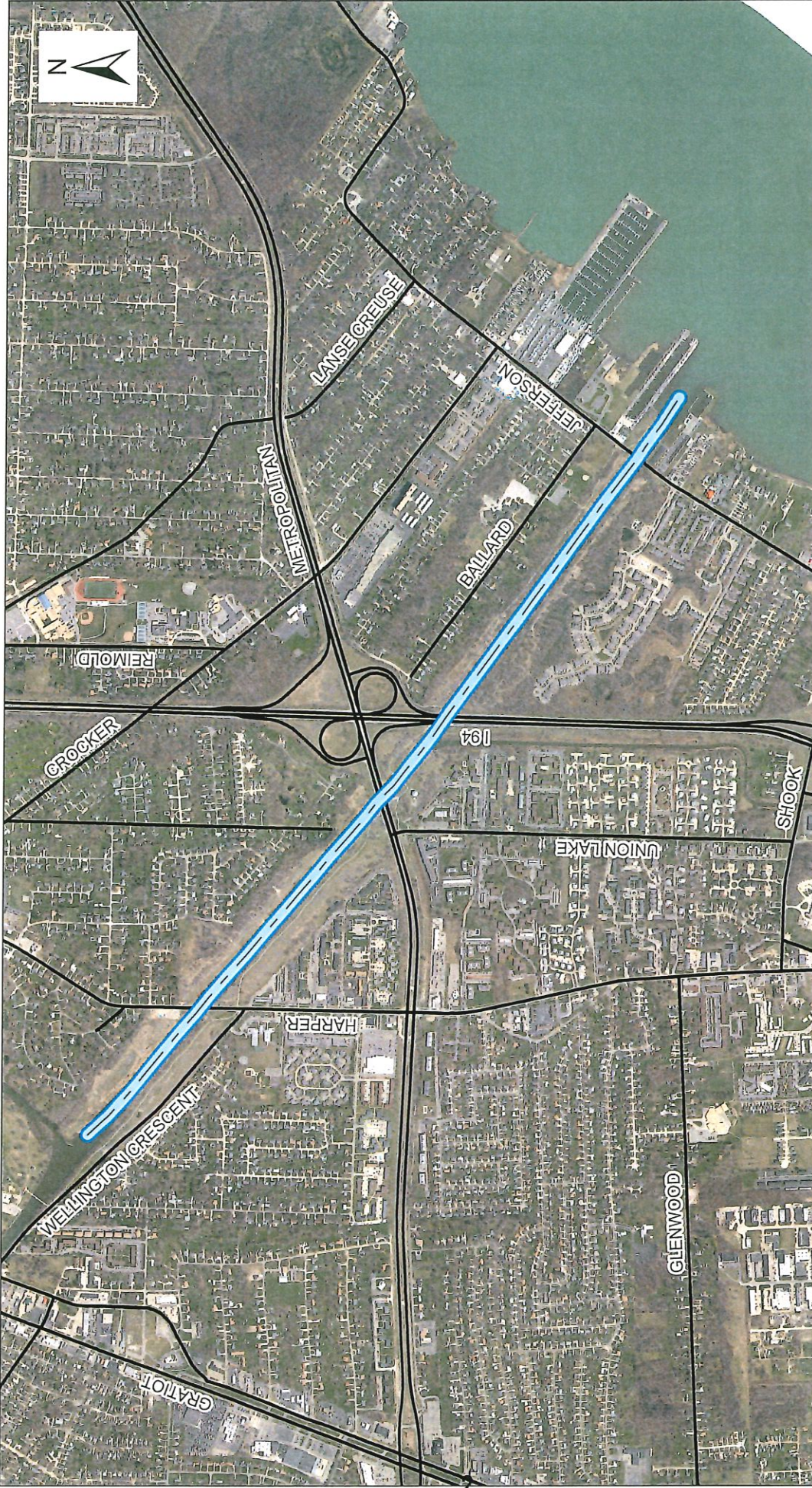
**NOTE: THIS MEETING WILL BE HELD IN PERSON WITH TELECONFERENCE  
OPTION**

**Call in Number: 1-347-947-6678  
Access Code: 236 038 612**

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1. Call of meeting to order and roll call	
2. Approval of Agenda	
3. Approval of Minutes of meeting of March 23, 2021	3
4. Public Participation	
5. Insurance Policy Renewal – Bruce Manning/Stephen Saph	6
Motion: To approve the general liability insurance coverage renewal with Argonaut Insurance Company in the amount of \$78,511 (Clinton River Spillway share \$16,567)	
6. Project Update and USACE Inspection Report – Jeff Bednar	11
7. Harrison Township/Spillway Pedestrian Bridge Grant Update – Jeff Bednar	20
8. Detroit Zoological Society Tree Planting Initiative	28
Motion: To authorize up to \$15,000 to match the pledge from the Detroit Zoological Society for additional tree plantings along the Spillway	
9. Clinton River Spillway Property Sale Article	30
10. Consideration for approval of invoices (see attached)	32
11. Financial Update – Bruce Manning	33
12. Adjourn	

# CLINTON RIVER SPILLWAY

## LAPEER, MACOMB, OAKLAND, & ST CLAIR COUNTIES



Drain Length (Feet/Miles):  
11,281.34 / 2.14

### Legend

Open Channel

- Ditch
- Pond

A meeting of the Inter-County Drainage Board for the **CLINTON RIVER SPILLWAY DRAIN** was held via telephone conference per the State Public Act 254 of 2020, on March 23, 2021.

PRESENT: Michael Gregg, Chairman  
Michigan Department of Agriculture & Rural Development  
Location: Mason, Ingham County MI

Brian Baker, Acting Secretary  
Macomb County Public Works Chief Deputy  
Location: Clinton Township, Macomb County MI

Jim Nash, Member  
Oakland County Water Resources Commissioner  
Location: Farmington Hills, Oakland County MI

Joe Suma, Member  
Lapeer County Drain Commissioner  
Location: Lapeer, Lapeer County MI

Robert Wiley, Member  
St. Clair County Drain Commissioner  
Location: Port Huron, St. Clair County MI

ALSO PRESENT: Anne Vaara, Chief Deputy, Steve Korth, P.E., Manager, Office of Oakland County Water Resources Commissioner; Jeff Bednar P.E., Environmental Resources Manager, Bruce Manning, Financial Manager, Kellie Kource, Drain Account Specialist, Stephen Downing, Construction & Maintenance Manager, Norb Franz, Communications Manager, Tom Stockel, Construction Engineer, Macomb County Public Works; James Burton, Hubbell, Roth & Clark; Scott Finlay, Engineer, City of Troy, Tim Pollizzi, Engineer, Rochester Hills; Tony Youtsus, Dana Duggar, Resident

The Chairman called the meeting to order at 10:07 a.m.

A motion was made by Mr. Wiley, supported by Mr. Suma to approve the agenda as presented.

Adopted: YEAS: 5  
NAYS: 0

The minutes of the meeting of December 16, 2020 were presented. A motion was made by Mr. Nash, supported by Mr. Suma to approve the minutes as presented.

Adopted: YEAS: 5  
NAYS: 0

The meeting was open to public participation. Mr. Duggar stated he toured the the southside of the Spillway area with the Clinton Township Clerk regarding the cleanup of debris. She was very interested in getting it cleaned up and has organized a cleanup for the weekend with the assistance of the Macomb County Public Works Staff. If anyone is interested in helping or has any questions they can contact the Clerk.

A motion was made by Mr. Baker, supported by Mr. Suma to receive and file the public correspondence by Mr. Duggar.

Adopted: YEAS: 5  
NAYS: 0

Mr. Bednar updated the board that the EPA grant is now in maintenance mode and we are scheduling the spring training event for late April or early May to complete treatment of the Spillway. We will be requesting an extension of the grant for the seeding that will take place in the fall.

We are bringing back an idea of a Master Plan for the Spillway which will be brought to the board later this year.

We were contacted by a non-profit organization called Green Michigan that does roadside cleanup and they would like to plant roughly 40 trees along the Spillway this spring. Mr. Bednar met with them and discussed the type of tree they would like to plant, including location and maintenance of the trees.

A motion was made by Mr. Wiley, supported by Mr. Suma to authorize Macomb County to collaborate with Green Michigan on the planting of approximately 40 trees.

Adopted: YEAS: 5  
NAYS: 0

A motion was made by Mr. Wiley, supported by Mr. Suma to receive and file the project update by Mr. Bednar.

Adopted: YEAS: 5  
NAYS: 0

Mr. Downing updated the board regarding the repair of a failed CMP located on the north side of the Spillway at Union Lake. Several of the CMP taps that were originally installed when the Spillway was constructed have reached the end of their useful life and will need repairs. The tap at Union Lake is severely corroded and will fail soon if not repaired.

A motion was made by Mr. Nash, supported by Mr. Suma to approve the proposal from Cortis Brothers for the repair of the 42 inch pipe for the not to exceed amount of \$19,500.

Adopted: YEAS: 5  
NAYS: 0

Mr. Gregg updated the board that a resolution regarding electronic and telephonic meetings procedures was created by Mr. Gregg, his office and Fahey Schultz in preparation for the conclusion of the current open meetings provisions. After March 30, 2021 we can only meet electronically in certain circumstances and this document allows the board to meet electronically if certain criteria are met should the State not declare another emergency.

A motion was made by Mr. Nash, supported by Mr. Wiley to adopt the resolution regarding electronic and telephonic meetings procedures.

Adopted: YEAS: 5  
NAYS: 0

The Chairman presented the invoices totaling \$35,521.93 as provided to the Board for review and approval.

A motion was made by Mr. Suma, supported by Mr. Wiley to approve the invoices as presented.

Adopted: YEAS: 5  
NAYS: 0

A motion was made by Mr. Suma, supported by Mr. Wiley to receive and file the financial report presented by Mr. Manning.

Adopted: YEAS: 5  
NAYS: 0

There being no further business, it was moved by Mr. Wiley supported by Mr. Nash that the meeting of the Clinton River Spillway Inter-County Drainage Board be adjourned.

Adopted: YEAS: 5  
NAYS: 0

The meeting was adjourned at approximately 10:50 a.m.

  
\_\_\_\_\_  
Brian Baker, Acting Secretary  
Clinton River Spillway Inter-County Drainage Board

STATE OF MICHIGAN  
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Inter-County Drainage Board for the Drainage District shown on the attached set of Minutes, on March 23, 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.

  
\_\_\_\_\_  
Brian Baker, Acting Secretary  
Clinton River Spillway Inter-County Drainage Board

DATED: 3/23/2021



# 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](http://www.nickelsaph.com)

May 10, 2021

Mr. Brian Baker  
Macomb County Public Works  
21777 Dunham Road  
Clinton Twp., MI 48036

Re: Macomb County Inter-County Drains Drainage Districts

Dear Mr. Baker:

Enclosed, please find our renewal offering for the casualty insurance coverages for the independent inter-county drainage districts that have been formed through the years for the construction, operation, and maintenance of some storm and sanitary drains within Macomb County and beyond county boundaries. These districts are acknowledged as distinct, independent entities. As distinct entities, the districts are not part of any budgeted Macomb County unit of government and therefore not insured under insurance policies secured by the County.

Of the various insurance coverages discussed, this correspondence will address General Liability and Public Officials' Liability coverages. This correspondence contains:

- I. Responding Insurance Carrier Renewal Proposal
- II. 2021 Marketing Effort Results

Please review this information and contact our offices with any questions or concerns. Thank you.

Sincerely,

Stephen R. Saph, Jr., LIC  
Agent

cc: John P. Anderson, Esq.

Enclosure

## I. Responding Insurance Carrier Proposal

Trident Public Risk Solutions presenting **Argonaut Insurance Company**  
Rating – **A- XIV, Stable** and Admitted

General Liability and Non-Owned Automobile Liability afforded on an Occurrence basis and Public Officials' afforded on a Claims Made basis. All lines of coverages excess per claim deductibles.\*

The deductibles are applicable to both defense costs and the payment of third-party damages.

Defense expenses are outside of the limits of liability afforded by the carrier (payment of defense expenses will not reduce the available limits of liability).

An aggregate does not apply to the primary (or underlying) Hired and Non-owned Automobile Liability coverage. The excess does not include the Automobile Liability coverage.

Exclusions include but are not limited to the following: Employment Practices Liability, Pollution, Non-Monetary Relief, and Debt Financing. Please refer to policy forms for terms, conditions, definitions, and all applicable exclusions. Excludes the Oakland Macomb Interceptor.

Separate limits are afforded for each line of coverage (general liability, public officials', and automobile liability). Payment of damages for one line of coverage will not impact or reduce the limits available and dedicated to the remaining lines of coverage.

Underlying Each Occurrence Limit –	\$1,000,000
Underlying Aggregate Limit –	\$2,000,000
Deductible -	\$100,000*
Excess Occurrence -	\$10,000,000
Excess Annual Aggregate -	\$10,000,000
Annual Premium (excluding Terrorism) -	\$76,469
Additional Premium for Terrorism -	\$ 2,042
<b>Total Annual Premium -</b>	<b>\$78,511</b>

Expiring Annual premium - \$74,025. Renewal premium has increased \$4,486 or 6.06%. Current policy expiration date – June 28, 2021. Terrorism is an optional coverage that was secured last year. A decision whether to accept or reject Terrorism coverage must be made again this year.

Argonaut requires the continued involvement of a third-party administrator. The ASU Group currently affords these services by way of a separate agreement.

Stephen R. Saph, Jr., LIC  
**Nickel & Saph, Inc. Insurance Agency**  
586-463-4573 (wk)  
586-747-9315 (cell)  
[stephenjr@nickelsaph.com](mailto:stephenjr@nickelsaph.com)  
May 10, 2021

\*The expiring retention was \$250,000. The renewal offering reflects a reduction of the first dollar expenses for covered claims to the Districts to \$100,000, a savings of \$150,000 per claim.



## II. 2021 Marketing Efforts

Argonaut – presented a renewal proposal.

Chubb/ACE – declined

BRIT – declined

A.I.G. (American International Group) – declined

Glatfelter Public Practice (broker) – declined

Travelers Companies – declined

Intact (formerly One Beacon) – declined

Genesis – declined

Munich (AAIC) – declined

Berkley Insurance Co. – declined

Old Republic International – declined

Hudson Insurance – cannot provide requested limits of liability.

Liberty Mutual – cannot compete with existing program.

Houston Casualty Co. – declined

Allied Public Risk (broker) - declined

Markel - declined

Genesis - declined

Hallmark - declined

In early April of 2021, our agency pursued a thorough marketing effort for the renewal of the policy afforded for the Intra-County Drainage Districts. As part of that effort, we advised the carriers and brokers that we had approached (listed above) that a companion policy existed for the Inter-County Drainage Districts. Results could be broken down into one of two categories – 1) carriers that refused due to the operations and 2) carriers that refused as they stated at the outset that they could not compete with the existing program (either the pricing and/or the afforded coverages).

Stephen R. Saph, Jr., LIC

**Nickel & Saph, Inc. Insurance Agency**

[stephenjr@nickelsaph.com](mailto:stephenjr@nickelsaph.com)

586-463-4573 (wk)

586-747-9315 (cell)

May 11, 2021

Macomb County Public Works  
Liability Insurance - Renewal 6/28/2021  
Chapter 21

DRAIN	(2018-19 Expenses)		(2019-20 Expenses)		2021 Premium (2018/19-2019/20 Average) - 2 Years		
	EXPENSES	PERCENT	EXPENSES	PERCENT	EXPENSES	PERCENT	COST
Bear Creek <sup>1</sup>	\$ 201,576	36.72%	\$ 55,813	18.33%	\$128,694	30.16%	\$ 23,677
Clinton River Spillway <sup>2</sup>	\$ 60,239	10.97%	\$119,863	39.36%	\$ 90,051	21.10%	\$ 16,567
McCoy Relief	\$ 1,097	0.20%	\$ 900	0.30%	\$ 999	0.23%	\$ 184
Red Run (all) <sup>3</sup>	\$ 148,447	27.04%	\$ 89,937	29.53%	\$119,192	27.93%	\$ 21,929
Sharkey Relief <sup>4</sup>	\$ 137,341	25.02%	\$ 28,142	9.24%	\$ 82,742	19.39%	\$ 15,223
Plumbrook <sup>5</sup>	\$ -	0.00%	\$ 9,753	3.20%	\$ 4,877	1.14%	\$ 897
Richmond-Columbus	\$ 150	0.03%	\$ 123	0.04%	\$ 137	0.03%	\$ 25
Crapeau Creek	\$ 90	0.02%	\$ 10	0.00%	\$ 50	0.01%	\$ 9
<b>Totals</b>	<b>\$ 548,940</b>	<b>100.00%</b>	<b>\$304,542</b>	<b>100.00%</b>	<b>\$426,741</b>	<b>100.00%</b>	<b>\$ 78,511</b>

\$ 78,511 Insurance Premium

DRAIN	2020 Premium Based on 2 year average of expenses		2021 Premium Based on 2 year average of expenses		Difference
	2017/18-2018/19		2018/19-2019/20		
Bear Creek	47.81%	35,393	30.16%	\$ 23,677	\$ (11,716)
Clinton River Spillway	17.25%	12,768	21.10%	\$ 16,567	\$ 3,799
McCoy Relief	0.42%	310	0.23%	\$ 184	\$ (126)
Red Run (all)	16.34%	12,093	27.93%	\$ 21,929	\$ 9,836
Sharkey Relief	18.11%	13,407	19.39%	\$ 15,223	\$ 1,816
Plumbrook			1.14%	\$ 897	\$ 897
Richmond-Columbus	0.06%	42	0.03%	\$ 25	\$ (17)
Crapeau Creek	0.02%	12	0.01%	\$ 9	\$ (3)
<b>Totals</b>	<b>100.00%</b>	<b>\$ 74,025</b>	<b>100.00%</b>	<b>\$ 78,511</b>	

New Insurance Premium  
for 6/29/2021-6/28/2022      \$ 78,511

DRAIN	CURRENT AVAILABLE FUNDS
Bear Creek <sup>6</sup>	\$ 375,829
Clinton River Spillway <sup>7</sup>	\$ 454,817
McCoy Relief	\$ 327,377
Red Run (all)	\$ 366,634
Sharkey Relief	\$ 616,382
Plumbrook	\$ 899
Richmond-Columbus	\$ 51,177
Crapeau Creek	\$ 12,685

<sup>1</sup>Bear Creek's expenses lower because of previous year's sinkhole and sewer inspection

<sup>2</sup>Clinton River's expenses higher due to sinkholes

<sup>3</sup>Red Run expenses are lower this year, per Oakland County, because of Engineering Services evaluation were the previous year

<sup>4</sup>Sharkey percentage lower because of Siphoning Project in 2018-2019

<sup>5</sup>Plumbrook expenses due to ICD Route Map Study Plan Review

<sup>6</sup>\$700,000 of Bear Creek money is in reserve for future operation and maintenance per November 1998 Board Meeting

<sup>7</sup>\$377,940 received from sale of property



**DEPARTMENT OF THE ARMY**

DETROIT DISTRICT, CORPS OF ENGINEERS  
477 MICHIGAN AVENUE  
DETROIT, MICHIGAN 48226-2550

May 28, 2021

Engineering and Construction Office

Michael Gregg  
State of Michigan, Department of Agriculture and Rural Development  
Environmental Stewardship Division, Intercounty Drains  
525 West Allegan Street  
PO Box 30017  
Lansing, MI 48909

Dear Mr. Gregg:

On October 1<sup>st</sup>, 2020, representatives from the U.S. Army Corps of Engineers Detroit District and the Macomb County Public Works Office completed the annual inspection of the Clinton River flood risk reduction project. A partial list of inspection attendees is included below.

<u>Name</u>	<u>Organization</u>
Tina Kowitz	Levee Safety Program Manager, USACE
Ethan Nordstrom	Engineering Intern, USACE
Danielle Devlin	Macomb County PWO
Jeff Bednar	Macomb County PWO

In 1952, the Corps of Engineers constructed a cut-off canal extending from a point on Clinton River about 1,500 feet below Gratiot Avenue Bridge to Lake St. Clair, a total distance of about 12,500 feet. The project also includes a control weir at the upstream end of the project to ensure low-water flow in the natural river channel. Riprap was placed at the weir, along the south bank of the river above the weir, and at Gratiot Avenue Bridge.

The following items were noted:

a. The weir was submerged, and only the concrete abutment walls were visible. What could be inspected was in fair shape, with some efflorescence noted. A detailed inspection of the weir and electrical equipment during lower flows is recommended.

b. Riprap was not observed near the weir. The banks are heavily vegetated and may be covering the riprap. Clearing vegetation from the banks to allow for inspection, maintenance, and to prevent damage to the weir structure from tree roots or fallen trees is recommended. Riprap should be replenished if it has been displaced.

c. Erosion was noted along the cutoff channel downstream of Jefferson Avenue. Stabilization using riprap or other methods suitable for the flow conditions is recommended.

d. The area of stabilization on the left bank of the channel near the downstream end of the project has several sinkholes noted. It appears soil and erosion control fabric were placed on top of the existing stone, and soil is being lost through the voids in the stone. Separating the soil and rock with a properly installed filter fabric would resolve this issue.

Overall, the Clinton River Flood Risk Reduction Project is in "Minimally Acceptable" condition, and the projects will remain active in the 84-99 program.

Any questions regarding this inspection report may be directed to Tina Kowitz at 313-226-6719 or the undersigned at 313-226-4761.

Sincerely,



Digitally signed by  
ROSS.PHILLIP.C.1243844238  
Date: 2021.06.01 12:21:18  
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Phillip C. Ross, P.E.  
Chief, Engineering & Construction Section

Enclosures



Photo 1: Typical channel conditions, taken from north (left) bank near the upstream end of the project.



Photo 2: Cutoff channel looking upstream at weir from north (left) bank.



Photo 3: Left (north) abutment wall of weir. County periodically removes woody debris from the weir.



Photo 4: Looking downstream to Harper Rd. Fishing pier has been constructed in 2017.

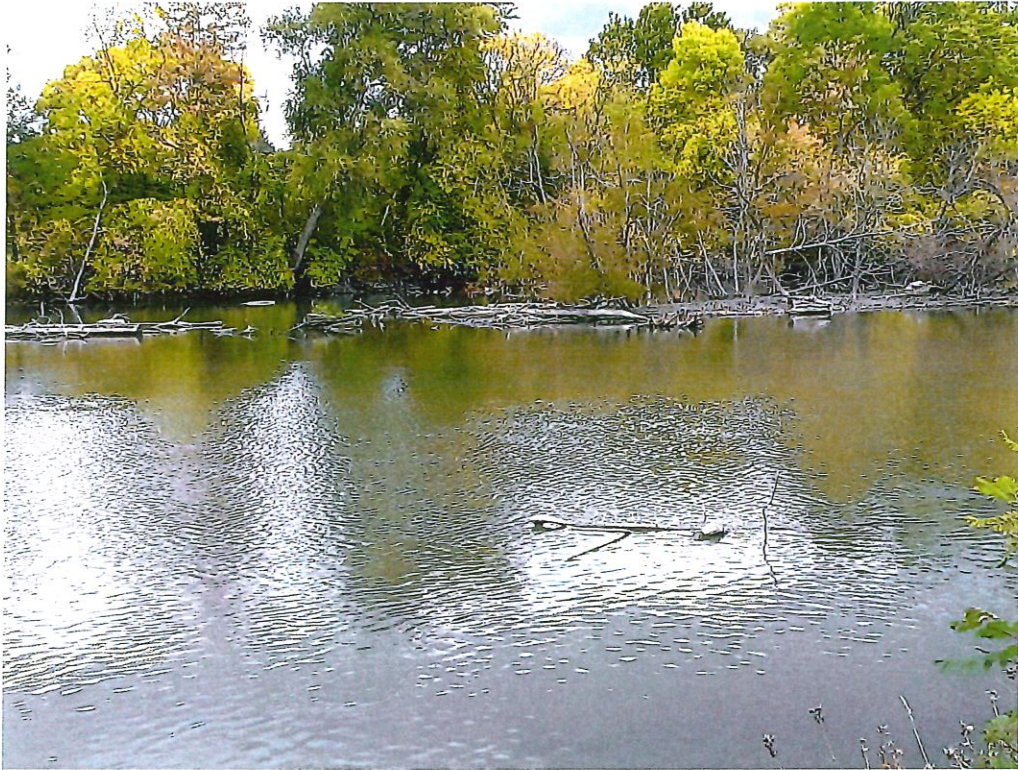


Photo 5: Habitat creation on left bank.



Photo 6: Looking downstream from Harper Ave. Habitat creation on left bank.



Photo 7: Left bank of channel near Lake St. Clair. Area of erosion. Bank restoration recently completed, but sinkholes and bare areas of soil noted.



Photo 8: Right bank of channel, looking toward Jefferson Ave. Note erosion.





Photo 9: Right bank of channel near Lake St. Clair. Note erosion.



Photo 10: Area of plantings/ shore stabilization. Erosion control fabric and soil appear to have been placed over riprap.



Photo 11: Area of plantings/ shore stabilization. Erosion control fabric and soil appear to have been placed over riprap.



Figure 1: Clinton River Cutoff project limits

# Board of Trustees Agenda Item Report

Agenda Item No. 1056

Submitted by: Ken Verkest

Submitting Department: Supervisor's Office

Meeting Date: May 24, 2021

## **SUBJECT**

Spillway pedestrian bridge engineering

### **Background:**

The current bridge over the Spillway at Jefferson has no accommodations for pedestrians and this creates a significant gap in our path system. Macomb County Planning and Economic Development has been helping us with this, and they have identified funding sources that could help with the cost to build this bridge, but in order to apply, we must have preliminary engineering completed. Late last year we learned of a potential grant that could help to fund the preliminary engineering for a pedestrian bridge over the Spillway at Jefferson. We applied and recently learned that our application was approved. We are very grateful for this grant from the Community Foundation of Southeast Michigan Ralph C. Wilson, Jr. Legacy Fund.

Wade Trim submitted an initial proposal of \$46,000.00 for this work. We initially applied for a \$40,000.00 grant, and proposed \$6000.00 in matching funds to come from our DDA Fund. The grant was approved for \$33,000.00. We went back to Wade Trim and asked them to look for ways to reduce the scope of the project and ultimately the cost.

Attached is their revised proposal for \$41,000.00 for this project. I am recommending that we accept the grant from the Community Foundation of Southeast Michigan Ralph C. Wilson, Jr. Legacy Fund in the amount of \$33,000.00, authorize Wade Trim to complete the preliminary engineering for a Pedestrian Bridge over the Spillway at Jefferson at a cost of \$41,000.00, and approve \$8000.00 in matching funds from the DDA fund for this project

### **Cost:**

\$8000

### **Recommendation:**

to accept the grant from the Community Foundation of Southeast Michigan Ralph C. Wilson, Jr. Legacy Fund in the amount of \$33,000.00, authorize Wade Trim to complete the preliminary engineering for a Pedestrian Bridge over the Spillway at Jefferson at a cost of \$41,000.00, and approve \$8000.00 in matching funds from the DDA fund for this project

## **ATTACHMENTS**

- [Grant Notification Letter.pdf](#)
- [Spillway Bridge Proposal.pdf](#)

# Community Foundation

FOR SOUTHEAST MICHIGAN

April 23, 2021

Ken Verkest  
Supervisor of Harrison Township  
Charter Township of Harrison  
38151 L'Anse Creuse St  
Harrison Township, Michigan 48045-3479

Re: #IG-202012592

Dear Mr. Verkest:

We are pleased to announce that the Board of Trustees of the Community Foundation for Southeast Michigan has adopted the following resolution:

RESOLVED, that a grant of \$33,000 to Charter Township of Harrison for support for plans for a safer option for pedestrians and cyclists to utilize trails and cross the Clinton River Spillway in Harrison Township be approved.

This grant is from the Ralph C. Wilson Jr. Legacy Funds of the Community Foundation for Southeast Michigan.

Included are the Terms of Grant Agreement related to this grant. Please make special note of all the provisions and procedures indicated. Please sign and submit the Terms of Grant Agreement to the Community Foundation for Southeast Michigan as soon as possible indicating your acceptance of the grant award and its terms.

While you are welcome to share news of this award internally and encouraged to begin your programming, we are asking that your organization does not publicly announce your grant at this time. The Community Foundation will be issuing a collective press release about all of the grants from this effort in the coming weeks. We will share it with you once it is completed, along with any details of how your organization can publicize the grant moving forward from that point.

After a signed copy of the Terms of Grant Agreement has been received, it is anticipated that payment will be made as follows:

<b>Date:</b>	<b>Amount:</b>
May 2021	\$33,000.00

We wish you every success and look forward to receiving reports on your progress.

Sincerely,



Mariam C. Noland  
President

# TERMS OF GRANT AGREEMENT

PLEASE READ CAREFULLY!

I. Acceptance of Grant

The grant to your organization from the Community Foundation for Southeast Michigan is for the explicit purposes described in the Grant Resolution and is subject to your acceptance of the terms described therein.

To accept the grant and receive the funds, return a signed copy of this "Terms of Grant Agreement" to the Community Foundation for Southeast Michigan. Please refer to the grant number and title in all communication concerning the grant.

Grantee:

Charter Township of Harrison

Date Authorized:

March 10, 2021

Grant Number:

IG-202012592

Amount Granted:

\$33,000

Grant Resolution:

RESOLVED, that a grant of \$33,000 to Charter Township of Harrison for support for plans for a safer option for pedestrians and cyclists to utilize trails and cross the Clinton River Spillway in Harrison Township be approved.

Prerequisite Conditions:

Receipt of a revised budget, to reflect the amount awarded.

Grant Period:

Begins –

April 23, 2021

Terminates –

April 22, 2022

II. Review of Grant Activity

The grantee will furnish the Community Foundation for Southeast Michigan with written reports according to the following schedule:

Report:

Final Report

Due Date:

May 23, 2022

## TERMS OF GRANT AGREEMENT

Charter Township of Harrison  
IG-202012592

### III. Publicity

Once the collective press release has been issued on the Wilson Legacy Fund grants by the Community Foundation we strongly encourage the grantee to publicize the receipt of this grant. Please share a copy of any press releases and announcements for approval prior to distributing, as well as copies and links of news coverage that results from press outreach. Please visit our website at [cfsem.org/grantee-press](http://cfsem.org/grantee-press) for guidelines about publicizing your award.

### IV. Special Provisions

In accepting this grant, the grantee agrees to the following conditions:

1. To use the funds granted solely for the purpose stated.
2. To repay any portion of the amounts granted which is not used for the purpose of the grant.
3. To return any unexpended funds if the grantee loses its exemption from Federal income taxation as provided under Section 501(c)(3) of the Internal Revenue Code of 1986, as amended (the "Code"), or (b) as a governmental entity or political subdivision within Section 170 (c) of the Code.
4. To maintain books and records adequate to verify actions related to this grant should this prove necessary.
5. Pre-approval is needed for any modifications in the approved project budget.

For the Grantee:

Signature of Authorized Representative

Date

Ken Verkest

Supervisor

Name and Title of Authorized Representative



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

April 30, 2021

Charter Township of Harrison  
38151 L'Anse Creuse  
Harrison Township, MI 48045

Attention: Mr. Kenneth Verkest, Supervisor

Re: Spillway Bridge Preliminary Design Proposal

Dear Mr. Verkest:

Harrison Township, in conjunction with Macomb County will be applying for a Ralph C. Wilson, Jr. Legacy Design and Access Grant. Grant proceeds are proposed to be used to prepare a preliminary design and scoping document for a pedestrian bridge across the Clinton River Spillway at Jefferson Avenue. You have requested that Wade Trim provide a proposal to complete the preliminary design. The project will include opportunities for public input and will result in a report with a preliminary design, conceptual cost estimate and renderings that can be used to apply for grants for the design and construction of the facility.

### **Understanding of The Project**

Harrison Township currently has over eight miles of non-motorized trails throughout the Township. One discontinuous location is the crossing of the Clinton River Spillway at Jefferson Avenue. The Township would like to make this connection to complete a vital part of their non-motorized trail along Jefferson between St. Clair Shores and the Lake St Clair Metropark. Harrison Township in conjunction with Macomb County Planning Division would like to develop a Schematic Design plan and report for this project location that results in an overall "master" plan. The Schematic Design is intended to be used by the Township and County to apply for various grants through MDOT and SEMCOG in 2022.

Throughout the process, Wade Trim will assist the Township in public engagement strategies to allow the public to provide input that may influence design options and the final preferred schematic design. Wade Trim will prepare public engagement materials and have a representative in attendance at no more than two public meetings related to this project. We assume that the Township will handle meeting logistics including meeting time. We assume during this time that meetings will be virtual to be in compliance with the current State of Michigan COVID-19 social distancing protocol.

### **Scope of Services**

#### **Task 1: Pre-design and Field Investigation**

##### **1.1 Scope Verification**

Wade Trim will organize a kick-off and scope verification meeting with key Township and County staff to confirm schedule and scope of work to be performed. At the kick-off meeting, existing site information will be reviewed, and the collective group will discuss and prioritize project goals for the bridge. We anticipate two options to be discussed at the scope verification. Option 1 will be widening the existing Jefferson Avenue vehicular bridge to accommodate a pedestrian pathway, and Option 2 will be a separate freestanding pedestrian bridge, west of the Jefferson Avenue Bridge.



An initial field investigation will consist of the following:

- A field walkthrough of the bridge site, including a review of the condition of the adjacent Jefferson Avenue bridge to assess whether it could be used as a temporary platform for construction cranes during construction of the proposed pedestrian bridge. If there is load rating information available, we will request that from Macomb County. A field investigation of the Jefferson bridge will also be done to determine the applicability of widening the Jefferson bridge to accommodate a pedestrian pathway.
- Locating any existing utilities that may be in the vicinity of the project which may cause conflicts with any proposed construction.
- A review of the site to assist in determining site features for the proposed bridge and to gather information on site aesthetics and amenities.

### 1.2 Topographic Work

Wade Trim will request existing topographic survey information from recent adjacent projects to the proposed bridge site. It is assumed at this time that this topographic information will suffice for the schematic design. Possible supplemental survey information can be picked up by Wade Trim survey crews. We are assuming this will be limited to one day of field work and half a day of processing. We will also refer to current GIS and USGS mapping of the area. The bridge mapping area includes mapping to the edge of water and river soundings if none exist.

- If existing elevations of the riverbed (i.e. soundings) do not exist, Wade Trim can provide a remote bathymetric survey drone to obtain sonar soundings within the limits of the proposed pedestrian bridge.
- The survey effort presently excludes a boundary survey and title review. These services are available upon request as an additional service.

### 1.3 Geotechnical

Wade Trim will rely on existing geotechnical information provided by the County and the Township. It has been suggested that recent construction activities north and west of the proposed bridge site will have relevant geotechnical information that can be used to possibly ascertain the subsurface soils for foundation recommendations. Wade Trim would also reach out to the Macomb County Department of Roads for existing plans on the Jefferson Avenue bridge to reference the geotechnical information from those plans. At this time a geotechnical investigation is not anticipated.

## Task 2: Design Alternatives

Wade Trim will evaluate findings from Task 1 and develop design options for the pedestrian bridge and adjacent related amenities. Options will be informed by the project parameters and goals as determined by the project team in conjunction with Township and County staff for each component. Wade Trim will develop the two options for each scope area described below.

### 2.1 Bridge Alternatives

The design team will confirm the preferred bridge design characteristics with the stakeholders that will guide potential bridge options. These characteristics will include items such as:

- Single span versus multiple span
- Bridge width: Clear width for pedestrian/bicyclists and accommodations for fishing at appropriate locations
- Shared use or separate pedestrian/bicycle lanes
- Vehicular load requirements (AASHTO required H-vehicle or client specific)
- Bridge materials (Steel, concrete, timber, etc.)
- Special aesthetic features, including viewability from bridge (open railings and/or overlooks)
- ADA compliance

We understand that the bridge options will need to respond to the existing environmental conditions that will minimize natural feature impacts and be resilient to floodplain and floodway issues. Wade Trim will work to develop potential solutions.

We will look at a maximum of three bridge alternatives for each option from an aesthetic perspective, site constraints, constructability, cost constraints, long-term maintenance, and public perception. We will meet with the stakeholders to discuss the project, their vision for the project, funding, constraints, and other pertinent issues. Based on the findings from these stakeholder meetings, we will further the alternatives to incorporate into a Feasibility or Structure Study. We will prepare a report with presentation drawings that highlight positives and negatives of the different alternatives, including price and constructability. The report will be generated and submitted to the stakeholders for review and consideration. We anticipate a follow up meeting to be held between Wade Trim and the stakeholders. From these meetings, the desired outcome is a consensus on the type of pedestrian bridge to move forward with in the future design stage.

## 2.2 Site Amenities

Wade Trim will evaluate the interface of the existing pedestrian pathway with the proposed pedestrian bridge and the adjacent shoreline of the Clinton River Spillway and develop alternatives to improve site amenities for pedestrians, bicyclists and fishermen who would like to utilize the water's edge for sport or relaxation. Accessibility and functionality from the pathway and bridge will be evaluated and alternative plans will be developed independent of the bridge alternatives.

## 2.3 Design Alternatives Public Engagement

The Wade Trim design team will meet with the Township and County to review the design options developed for the bridge and site amenities and incorporate requested revisions prior to developing final public meeting presentation graphics. Wade Trim will prepare two graphic schematics for each option to present at a public meeting. Alternative public engagement may also be incorporated including online surveys.

## Task 3: Schematic Design Master Plan

The design team will meet with the stakeholders following the public engagement of the design options and confirm a consensus schematic master plan approach to the bridge replacement and potential site amenities. Following this meeting, Wade Trim will prepare final schematic documents including a rendered colored schematic plan of the bridge. A preliminary opinion of probable construction costs will also be developed. This will aid the Township and County in preparing grant application submittals for the proposed improvements. The final schematic plan deliverable will also include a summary of anticipated regulatory permits required to construct the work, construction logistic parameters for replacing the bridge and potential construction phasing options.


## Schedule and Compensation

The grant requires that all grant funded activities be completed in a 12-month period. A schedule is included with the grant application that shows starting work in May of 2021 and completing the scope of services by April of 2022. We are ready to begin work upon notification that the Township has received the grant and receipt of a notice to proceed. We propose to complete the scope of services as outlined in this proposal for a Lump Sum amount of **\$41,000**.

We appreciate the opportunity to work with the Township and Macomb County on this project. If you have any questions on our proposal, please contact our office at 734.947.2793.

Very truly yours,

Wade Trim Associates, Inc.



David M. Nummer, PE  
Vice President



Robert R. Breen, PE  
Senior Project Manager

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BDXHSN  
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**Candice S. Miller**  
Public Works Commissioner  
Macomb County

June 7, 2021

Dear Clinton River Spillway Board Members,

As you may know, I am a member of the Detroit Zoological Society Board of Directors. In April, the Detroit Zoological Society (DZS) announced an initiative in collaboration with ReLeaf Michigan to plant a total of 2,000 trees in 2021-2022 across communities in Metro Detroit.

My team here at MCPW met with the DZS and Harrison Township officials and have agreed to partner with the DZS with planting 100-150 large caliper trees at the Clinton River Spillway at both the Jefferson park as well as within the naturalized area just west of Jefferson. By adding these trees it will help capture sediment, nutrients and waste from stormwater runoff before they enter the spillway and ultimately Lake St. Clair. These trees will filter windblown sediment and airborne pollutants caused by erosion, and increase wildlife habitat. By providing beauty and shade from these trees, it will enhance the quality of the human habitat as well, as more and more residents enjoy this recently restored natural area.

While our GLRI funded project design included many trees to be planted within the Spillway on both sides of Jefferson, the actual size and extent of tree plantings needed to be reduced due to budget constraints. Of the trees that were planted, some have not survived, particularly trees of smaller caliper size. To increase survivability, MCPW staff and the DZS have discussed selecting hardier species at 1.5"-2" caliper size. Those species include hackberry, serviceberry, honey locust, Dutch elm resistant elm, bald cypress, dawn redwood, ginkgo, tulip and as well as various species of maple, oak, and evergreen trees. Other survival strategies will include soil amendments and water bags which will be serviced by Harrison Township.

The DZS has asked the Clinton River Spillway Board to match their pledge of \$15,000 for this project to proceed. Harrison Township has agreed to provide the long term maintenance of the planted trees.

I am requesting the Clinton River Spillway Board authorize the amount of \$15,000 to match the pledge from the DZS towards this initiative. I sincerely appreciate the DZS graciously agreeing to our request, as well as the enthusiastic cooperation received from Harrison Township.

Sincerely,

Candice S. Miller  
Macomb County Public Works Commissioner



BALLARD

JEFFERSON



**Legend**

- Proposed Trees
- Parcel Lines

[https://www.macombdaily.com/clinton-river-spillway-parcel-sold-to-clinton-township/article\\_adba95f8-c3bc-11eb-a555-13ee55bdece0.html](https://www.macombdaily.com/clinton-river-spillway-parcel-sold-to-clinton-township/article_adba95f8-c3bc-11eb-a555-13ee55bdece0.html)

FEATURED

## Clinton River Spillway parcel sold to Clinton Township

Jun 2, 2021



The fishing pier on the Clinton River Spillway just west of Harper Avenue in Clinton Township. (Macomb County Office of P Works photo)

James Patrick Martin

A portion of vacant land along the Clinton River Spillway has been sold to Clinton Township with the understanding the property will be used for recreational use only.



The parcel, approximately 6.3 acres, is located along the north side of the spillway, just east of Harper Avenue and north of Metropolitan Parkway. The sale of the acreage to the township for \$377,940 was approved by the Clinton River Spillway Drainage Board and the Clinton Township Board of Trustees.

To pay for the land, the township obtained a grant through the Michigan Natural Resources Trust Fund.

“The township is to be commended for applying for, and getting, the grant,” said Macomb County Public Works Commissioner Candice Miller, who serves as secretary on the inter-county drain district board that manages the Spillway. “The public is well-served by this sale. It’s an example of a good government partnership that keeps it under local control. The property will be preserved for public use.”

As a condition of the grant awarded by the Michigan Department of Natural Resources, the township is required to use the parcel for recreational purposes only, such as a park.

“We’re thrilled to be getting this property,” Clinton Township Supervisor Bob Cannon said. “We’re anxious to put our trust fund money to good use for recreational purposes.”

Cannon said the township board will determine a specific land use after welcoming suggestions from nearby residents.

“We want to make sure it’ll be something the Spillway drain board and nearby residents will be happy with,” the township supervisor said.

Proceeds from the sale of the property will help pay for continued maintenance of the spillway such as the removal of logs and other debris in order to maintain the flow of the water in the channel and to operate the nearby weir.

“Clinton Township’s eventual use of the 6.3-acre parcel will further enhance the aesthetics and attraction of the Spillway,” Miller said.

-- *Macomb Daily staff*



CLINTON RIVER SPILLWAY DRAIN 5/18/21 - 6/15/21

<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>
Clinton River Spillway	Chapter 21						
	EPA Grant	Baker Bednar Slanec	Aloia & Associates, P.C. Cardno, Inc. Marino's Landscape	\$ 1,301.50 \$ 1,828.99 \$ 840.00	Invoice #21831 - 5.1.21 Invoice #311876 - 5.17.21 Invoice #13406 - 5.31.21	Property Sale Invasive Species Treatment Lawn Care May 2021	\$ 65,859.71
<b>Total</b>				\$ 3,970.49			



YTD Trial Balance

Fund: Clinton River Spillway

As of Fiscal Period: Oct 1, 2020-May 31, 2021

	O&M Balance 9/30/2020	O&M	TOTAL 5/31/2021
Cash - Operating	117,443	341,148	458,591
Accounts Receivable			0
Assets			0
Liabilities			0
Revenues		378,086	378,086
Expenditures		36,938	36,938
Equity	117,443		458,591