

## **AGENDA**

### **Red Run Intercounty Drain Drainage Board** Macomb and Oakland Counties

**March 15, 2023 – 10:30 a.m.**

Office of the Oakland County Water Resources Commissioner  
One Public Works, Building 95 West  
Waterford, Michigan, and Microsoft Teams

1. Call meeting to order

Board Members:

Michael Gregg, Chair, Michigan Department of Agriculture and Rural Development  
Candice Miller, Macomb County Public Works Commissioner  
Jim Nash, Oakland County Water Resources Commissioner

2. Approval of the meeting agenda for March 15, 2023
3. Approval of Drainage District Board Meeting Minutes from February 22, 2023
4. Public Comment
5. Red Run Freedom Hill
  - a. Account of Project Standing
6. Detroit Arsenal Regional Defense (DAR2) Risk Assessment Update from the Office of Local Defense Community Cooperation
7. Present Change Order No. 2 for L.J. Construction, Inc. for the Construction of the Freedom Hill North Bank Stabilization Project
8. Present trial balance
9. Other business
10. Adjourn

**Agenda Item No. 3**

Board Meeting Minutes from  
February 22, 2023

Minutes of the Meeting  
of the Intercounty Drainage Board for the  
Red Run Drain

February 22, 2023

Minutes of the regular meeting of the Drainage Board of the Red Run Drain Drainage District held at the office of the Oakland County Water Resources Commissioner, One Public Works Drive, Building 95 West, Waterford, Michigan on the 22<sup>nd</sup> day of February at 10:30 a.m. Eastern Standard Time and via Microsoft Teams.

Present:

Michael Gregg, Chairperson and Deputy for Gary McDowell, Director of the Michigan Department of Agriculture and Rural Development; Brian Baker for Candice Miller, Member and Macomb County Public Works Commissioner; and Jim Nash, Secretary and Oakland County Water Resources Commissioner.

Also Present: Representing the office of the Macomb County Public Works Commissioner; Jeff Bednar. Representing the office of the Oakland County Water Resources Commissioner: Anne Vaara, Steve Korth, Brian Coburn, Meg Koss, and Stephanie Lajdziak. Others in attendance: Nancy Kolinski (Hubbell, Roth & Clark).

1. Call meeting to order.  
Chairperson Gregg called the meeting to order at 10:31 a.m.
2. Agenda.  
Motion by Nash, supported by Baker, to approve the February 22, 2023, agenda as presented.  
  
Adopted: YEAS – 3  
NAYS – 0
3. Minutes.  
Motion by Baker, supported by Nash, to approve the minutes of the January 18, 2023, meeting.  
  
Adopted: YEAS – 3  
NAYS – 0
4. Public Comment.  
None.
5. Freedom Hill.  
Nancy Kolinski updated the Board on the various restoration projects at Freedom Hill. She advised that the native plantings will be pushed back to the Fall because of the growth of Japanese Hops in the area. Due to the concern that the Japanese Hops will choke out the native plantings, herbicide and winter cutting will be utilized to gain control of the issue.

Ms. Kolinski noted that plans for Phase 2 are due to the Army Corps. of Engineers on March 20<sup>th</sup>. She furthered that a temporary construction easement will probably be needed to stay off the residential roads in the area. She assured the Board that the Army Corps. is looking at all options due to this portion of the Drainage District being land locked.

Ms. Kolinski also announced that the annual Drainage District walk thru is scheduled for May 11<sup>th</sup>, weather permitting.

Motion by Nash, supported by Baker, to receive and file the Freedom Hill update as presented.

Adopted: YEAS – 3  
NAYS – 0

6. Hubbell, Roth, & Clark Proposal for On-going As-needed Services

A memorandum from George Nichols, P.E., Civil Engineer III, dated February 22, 2023 requesting the Board to approve the requested compensation for an additional \$50,000 to Hubbell, Roth and Clark for engineering on-going as-needed services as described in the proposal (attached) dated February 10, 2023. Ms. Kolinski advised that the contract would cover about a one year period.

Motion by Baker, supported by Nash, to approve the requested compensation for an additional \$50,000 to Hubbell, Roth and Clark for engineering on-going as-needed services as described in the proposal (attached) dated February 10, 2023 as presented.

Adopted: YEAS – 3  
NAYS – 0

7. Trial Balance.

Mr. Nichols presented the Trial Balance report dated February 16, 2023, indicating a cash available balance of \$1,195,063.68. Motion by Nash, supported by Baker, to receive and file the updated Trial Balance as provided.

Adopted: YEAS – 3  
NAYS – 0

8. Invoices and/or Reimbursement of the Drain Revolving Fund.

A request for approval of payment of invoices and/or reimbursement of the Drain Revolving Fund in the amount of \$5,070.00 was presented. Motion by Nash, supported by Baker, to approve payment of invoices and/or reimbursement of the Drain Revolving Fund as presented.

Adopted: YEAS – 3  
NAYS – 0

9. Other Business.

None.

10. Adjourn.

Motion by Nash, supported by Baker, to adjourn the February 22, 2023, meeting at 11:04 a.m.

Adopted: YEAS – 3  
NAYS – 0

Next Regular Meeting: *Office of the Oakland County Water Resources Commissioner, One Public Works Drive, Building 95 West, Waterford, Michigan* and electronically at 10:30 a.m., Eastern Standard Time on March 15, 2023.



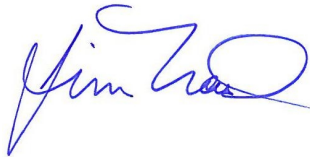
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Jim Nash, Secretary  
Red Run Intercounty Drain Drainage Board

STATE OF MICHIGAN                    )  
  )SS.  
COUNTY OF OAKLAND                )

I hereby certify that the foregoing is a true and complete copy of the minutes of the Red Run Intercounty Drain Drainage Board, at a meeting held on the 22<sup>nd</sup> day of February 2023 and that the meeting was conducted and public notice was given in compliance with the Open Meetings Act being Act 267, Public Acts of Michigan, 1976, as may be amended from time to time and that the minutes were kept and will be or have been made available to the public as required by the Act.

IN WITNESS WHEREOF, I have hereunto affixed my official signature on this 22<sup>nd</sup> day of February 2023.



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Jim Nash, Secretary  
Red Run Intercounty Drain Drainage Board

## **Agenda Item No. 4**

### **Public Comment**

**Agenda Item No. 5**

Red Run Freedom Hill



**Account of Project Standing**

APS #: 27

Time Period: February 01, 2023 thru February 28, 2023

Prepared By: Nancy Kolinski

Date Issued: March 02, 2023

**Project Task Summary:**

**Task 1 – Data Collection, Survey and Field Assessment – Complete**

**Task 2 – Soil Boring Analysis – Complete**

**Task 3 – Preliminary Plan Design – Complete**

**Task 4 - Final Design and Bid Documents – Complete**

**Task 5 – Project Coordination – Ongoing**

**Construction Update:**

- Project on winter shut down
- Sterling Relief Bollards: Staff is researching parcel ownership/easements to determine with whom to coordinate with.

**Focus of Efforts in Next Period /Spring:**

- Failed B&B (balled & burlapped) at Schoenherr Rd trailhead, Metro Pkwy trailhead, and along Red Run, to be replaced (timeframe: Spring 2023).
- Native seeding of the area beneath the power transmission lines on the north side of Red Run remains to be completed (Spring 2023). Site preparation will need to be re-done (removal of existing vegetation, tilling of earth, etc.), prior to placement of Lo Prairie seed and mulch.
- Due to the amount of invasive species (Japanese Hops) treated in 2022, plantings are being postponed until Fall
  - Native shrub plantings in the Transition Side Slope along Sterling Relief remain to be planted (Fall 2023).
  - Bare-root tree plantings in the Transition Side Slope along Red Run remain to be planted (Fall 2023).
  - Planting of bare-root shrubs and herbaceous plugs along the south side of the amphitheater remain to be planted (Fall 2023).

**Critical Decisions Made:**

- N/A

**Outstanding Critical Questions:**

- N/A

**Client Assistance Needed:**

- None at this time

**Schedule Concerns**

- Contract with LJ Construction will be extended thru Fall of 2023

**Scope and/or Budget Concerns:**

- None at this time

Account of Project Standing

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## Red Run Drain Supplemental Services

### Project Task Summary:

#### **Task 1 – Permitting- In Progress**

- Submitted USACE Section 408 Certification – Full approval unknown.

#### **Task 2 – Drainage District Assistance- In Progress**

#### **Task 3 – Monitoring Assistance- In Progress**

#### **Task 4– Grant Reporting- In Progress**

- No work for this period

#### **Task 5 – Meetings- No work requested under this task**

**Task 6 – USACE Phase 2 Coordination-** Red Run South bank (AEI): Design started. Biweekly meetings of the design team occur. 65% plans are due to USACE March 20<sup>th</sup>.

#### **Task 7 – Project Signage- No work requested under this task**

### Miscellaneous:

- GWK Outfall project (KZF): 95% documents provided. Final documents due to USACE on March 02, 2023. Funding for implementation is yet to be allocated by USACE.
- Invasive species – Coordination continues.
  - Project meeting with 6 Rivers / Tech team occurred to discuss 2023 efforts
  - 6 Rivers / Tech team is watching treated areas for potential bare soil
  - Next treatment May 2023
- Red Run Spill Response USACE Work Plan
  - A work plan is being prepared in conjunction with USACE Engineer Research and Development Center (ERDC). USACE is working on finalizing work plan.
- Annual Red Run Drain Walk Thru with USACE scheduled for May 11<sup>th</sup>
- Red Run H&H study - Staff are working with the Office of Local Defense Community (OLDCC) and University of Michigan on developing a dynamic H&H study for the Red Run Watershed as a result of the Detroit Arsenal Regional Defense Assessment of Resilience (DAR2) study. Discussion ongoing with OCWRC and MCPWO staff and OLDCC. The study is expected to have a 10% local match.

### Critical Decisions Made:

- N/A

### Outstanding Critical Questions:

- No at this time.

### Client Assistance Needed:

- None at this time

### Schedule Concerns

- N/A

### Scope and/or Budget Concerns:

- N/A

## **Agenda Item No. 6**

### **DAR2 Risk Assessment Update**



### 3.4 Red Run Renovations

#### Description

The AHA model identified flooding throughout the region as a threat to the DoD missions and industries in the SEMR. Much of the flooding risk is contained within the Red Run watershed, which floods regularly and is vulnerable to flash floods. The project includes two parts:

- Understand the existing studies and analysis that have been conducted in this watershed to develop a regional solution for the flooding risks.
  - Identify and map critical stakeholders, roles, and responsibilities
  - Conduct a literature review of existing and forthcoming studies on the watershed and the regional risk concerns.
- Identify infrastructure solutions to address the catastrophic stormwater flooding risks within the Red Run watershed.

#### Vulnerabilities Addressed

Addressing water infrastructure failures within the Red Run watershed will mitigate the risk of further stormwater flooding. Current infrastructure is unable to support the growth of water runoff in the region, increasing the likelihood of catastrophic flooding. This same level of flooding was simulated with the AHA tool and resulted in the degradation of SEMR utilities like electricity and natural gas.

#### Stakeholders

- DAR2 Coalition
- Macomb County Public Works, GLWA, Environment, Great Lakes, and Energy – State of Michigan (EGLE)
- Regional water stakeholders (City of Warren, Clinton Township)
- FEMA
- Michigan State Police, Emergency Management

#### Benefits

This project includes two phases, each with their own benefits:

Currently, responsibility for water access, water infrastructure development, and resilience is spread across multiple organizations. DAR2 Workshop participants recognize regional flooding concerns and are aware that siloed studies are being conducted by various organizations, both public and private sector. This project will identify one or more unified solutions to flooding risks.

The project seeks funding to modify infrastructure within Red Run watershed to address current shortfalls, provide improved drainage, and reduce regional flooding. This will subsequently reduce the risk of flooding impacts to DTA and other critical infrastructure assets.

### 3.4 Red Run Renovations



#### Next Steps and Description

The Team will gather feedback from Workshop participants and identify organizations involved in existing research projects. The DAR2 Coalition will develop a project brief to present to OLDCC for feedback on the Red Run project concept at the Association of Defense Communities Conference taking place in March 2022.

Local government stakeholders and the Team are working to:

- Identify and engage with potential stakeholders that were not in attendance at the DAR2 Workshop;
- Develop project concept document for discussion with OLDCC; and
- Research potential funding opportunities for project phases not aligned within the current scope of OLDCC funding.

#### Stakeholders

##### Lead

- DAR2 Coalition

##### Support

- Macomb County Public Works Department
- OLDCC
- GLWA
- EGLE
- FEMA
- USACE

## **Agenda Item No. 7**

### **Change Order**

CHANGE ORDER NO. 2**RED RUN INTERCOUNTY DRAIN DRAINAGE DISTRICT**

For Construction of the Freedom Hill North Bank Stabilization Project  
 Located in City of Sterling Heights, Macomb County, Michigan

CONTRACTOR: L.J. Construction, Inc.  
 Address: 5863 S. Kingston Road  
Clifford, MI 48727

Authorization for: Changes and Extras to Contract

Change Order No: 2 Date: 03/03/23


Auth No.	Location-Description-Reason	Unit Used	Est. Quant.	Unit Price	Amount Increase	Amount Decrease
A	<b><u>DESCRIPTION (EXTRAS):</u></b> Extend Final Completion Date by 328 Calendar Days  <b><u>REASON:</u></b> Due to the unexpected/unforeseen appearance and dense growth of an invasive species (japanese hops) within the Transition Side Slope area along the Red Run Drain, the proposed 325 bare root tree plantings were not able to be planted in 2022, as the MCPWO coordinated with Cisma to have the invasives treated prior to the bare root trees being planted. Further, due to the aggressive growth of the invasives, Cisma opinioned that treatment would be required over the course of 2023 for favorable results. Therefore, an additional 328 calendar days will be added to the final completion date, which will revise the final completion date from December 22, 2022 to November 15, 2023.  <i>Attachment:</i> <i>LJ Construction letter dated February 8, 2023 (1 page)</i>	N/A	N/A	N/A	N/A	N/A
Totals					\$0.00	\$0.00
Net Decrease					\$ -	---

**JIM NASH**  
**OAKLAND COUNTY WATER RESOURCES COMMISSIONER**

CHANGE ORDER NO. 2**RED RUN INTERCOUNTY DRAIN DRAINAGE DISTRICT**For Construction of the Freedom Hill North Bank Stabilization Project

Prepared by: Brent H. Tarpinian Date: 03/03/2023  
Project Manager: Brent Tarpinian  
Hubbell, Roth & Clark, Inc.

Digitally signed by Brent H. Tarpinian  
DN: C=US, E=btarpinian@hrcsengr.com, O=Hubbell, Roth &  
Clark, Inc., OU=Environmental Engineering Department,  
CN=Brent H. Tarpinian  
Reason: I am approving this document  
Date: 2023.03.03 12:46:10-05'00'

Recommended by:  Date: 03/08/2023  
Engineer: Jeffrey Bednar, P.E.  
Macomb County Public Works Office

Recommended by: \_\_\_\_\_ Date: \_\_\_\_\_  
Engineer: George P. Nichols, P.E.  
Oakland County Water Resources Commissioner

The Contractor agrees to do the work described above and agrees to accept payment in full on the basis indicated.

Accepted by: E-SIGNED by Danielle McClellan Date: 03/03/2023  
on 2023-03-03 14:21:38 EST  
Title \_\_\_\_\_  
of: L.J. Construction, Inc.

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
Manager: Gary Nigro, P.E.  
Oakland County Water Resources Commissioner

The Contractor is hereby authorized and instructed to do the work described above in accordance with the terms of the Contract.

Approved by: Red Run Drain Board Date: \_\_\_\_\_

**JIM NASH**  
**OAKLAND COUNTY WATER RESOURCES COMMISSIONER**



**L. J. Construction, Inc.**

5863 S. Kingston Rd.

Clifford, MI 48727

**Phone (989) 761-0131 Fax (989) 761-0132**

ljconstructionmi@gmail.com

An Equal Opportunity Employer

2/8/2023

George P. Nichols, P.E

Civil Engineer III

Oakland County Water Resource Commissioner

L.J. Construction, Inc. is requesting an extension of time for the Red Run Drain Restoration – Phase I (HRC Job No. 20200852) due to a delay in obtaining the material to complete the remaining restoration work and to avoid conflicts with CISMA as they treat for invasive species over the course of the year. L.J. Construction would like to request the contract be extended until the fall to complete the restoration work.

Sincerely,

A handwritten signature in black ink, appearing to read 'Daniel Jocham', with a long horizontal flourish extending to the right.

Daniel Jocham

L.J. Construction, Inc.

## **Agenda Item No. 8**

### **Trial Balance**



# Trial Balance

08:37 AM

03/09/2023

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**Organization** Oakland County  
**Periods** FY2023 : Mar  
**Ledger** Actuals  
**Accounting Worktag** FND82902 Red Run Federal Drain Ch21  
**Book** Operating  
**Company Currency** USD  
**Translation Currency** USD  
**Run** 03/09/2023 08:37 AM

## Consolidation Data

Ledger Account	Beginning Balance	Debit Amount	Credit Amount	Ending Balance
100100:Cash - Operating	1,227,493.52	5,798.77	10,174.58	1,223,117.71
101500:Undeposited Cash	0.00	0.00	0.00	0.00
104100:Accrued Interest on Investment	5,979.15	649.74	0.00	6,628.89
126100:Due from Municipalities	0.00	0.00	0.00	0.00
126105:Due from Municipalities-AR Con	0.00	0.00	0.00	0.00
201210:Vouchers Payable AP Cont	(5,070.00)	5,070.00	0.00	0.00
211100:Due to Primary Government	0.00	0.00	0.00	0.00
228100:Deposits Liability	(28,244.40)	0.00	0.00	(28,244.40)
230852:Accounts Payable	0.00	0.00	0.00	0.00
381350:FB Restricted Programs	(1,224,784.17)	0.00	0.00	(1,224,784.17)
450100:Cash Sweep	0.00	5,070.00	5,070.00	0.00
605000:Special Assessments	(202,596.00)	0.00	0.00	(202,596.00)
655000:Investment Income	(6,357.81)	34.58	1,378.51	(7,701.74)
730000:Contractual Services	225,657.81	0.00	0.00	225,657.81
770000:Internal Support Expenditures	7,921.90	0.00	0.00	7,921.90
Total	0.00	16,623.09	16,623.09	0.00

Cash	\$1,223,117.71
Permit Held	(28,244.40)
Total Cash Available	\$1,194,873.31

## **Agenda Item No. 9**

Other Business

**Agenda Item No. 10**

Adjourn