

RED LAKE WATERSHED DISTRICT

July 9, 2020

Agenda

9:00 a.m.

Call in 1-218-633-7314 - Conference Number 250 - Password 5800

9:00 a.m.	Call to Order	Action
	Review and approve agenda	Action
	Requests to appear	Information
	June 25, 2020 Minutes	Action
	Financial Report dated July 8, 2020	Action
9:15 a.m.	Eric Larson, Ditch 16, RLWD Project No. 177	Info./Action
	Ditch 16, RLWD Project No. 177-Jerry Pribula	Information
	Thief River Falls Westside FDR Project, RLWD Project No. 178 Pay Estimate No. 5	Information Action
	Improvement to Polk County Ditch 39, RLWD Project No. 179 Sound System for Final Hearing	Info./Action
	Black River Impoundment, RLWD Project No. 176 Funding Evaluation	Information Info./Action
	Red Lake River 1W1P, RLWD Project 149 MPCA 319 Grant – Fiscal Agent	Info./Action
	Impoundment Update	Information
	Table Permit No. 20-105, Linda Hanson	Action
	Table Permit No. 20-106, Linda Hanson	Action
	Table Permit No. 20-109, Earl Pederson	Action
	Permits: No. 20100, 20102, 20108, 20114, 20122-20124, 20127, 20129, 20135-20137, and 20140	Action
	City of Crookston Wetland Banking Request	Info./Action
	2020 MAWD Resolutions	Information

Administrators Update

Information

Legal Counsel Update

Information

Managers' updates

Information

Adjourn

Action

UPCOMING MEETINGS

July 9, 2020

RLWD Board Meeting, 9:00 a.m.

July 21, 2020

RRWMB Meeting, 10:00 a.m.

July 23, 2020

RLWD Board Meeting, 9:00 a.m.

August 13, 2020

RLWD Board Meeting, 9:00 a.m.

RED LAKE WATERSHED DISTRICT
Board of Manager's Minutes
June 25, 2020

DRAFT

Vice President Gene Tiedemann called the meeting to order at 9:00 a.m. at the Red Lake Watershed District Office, Thief River Falls, MN.

Present in person: Gene Tiedemann, Terry Sorenson, Allan Page, LeRoy Ose and Les Torgerson. Present via conference call: Brian Dwight. Absent: Dale M. Nelson. Staff Present: Myron Jesme and Tammy Audette and Legal Counsel, Delray Sparby.

The Board reviewed the agenda. Motion by Torgerson, seconded by Ose, and passed by unanimous vote that the Board approve the agenda. Motion carried.

The Board reviewed the June 11, 2020 minutes. Motion by Sorenson, seconded by Page, to approve the June 11, 2020 Board meeting minutes. Upon roll call vote, motion carried unanimously.

The Board reviewed the Financial Report dated June 24, 2020. Engineer Jerry Pribula, Pribula Engineering, PLLC., requested the opportunity to review the payment to Marshall & Polk Rural Water System prior to submittal of the payment. Motion by Page, seconded by Torgerson, to approve the Financial Report dated June 24, 2020, and allow Mr. Pribula time to review the payment to Marshall & Polk Rural Water System. Upon roll call vote, motion carried unanimously.

The Board reviewed a proposed 2021 General Fund Budget timeline. It was the consensus of the Board, that the Budget and Salary Committee meet prior to the July 23, 2020 Board meeting to prepare a draft 2021 General Fund Budget.

Rob Sip, Executive Director for the Red River Watershed Management Board (RRWMB) presented a 2019 Year in Review to the Board. Sip discussed the recent RRWMB newsletter where the Thief River Falls Westside FDR Project, RLWD Project No. 178 was highlighted. Sip discussed the development of progress indicators, comparison of costs from now to 2017, strategic costs, new vision statement and the adoption of the water quality program. Each local Watershed District within the RRWMB, can apply for water quality funding up to \$100,00 for base funding, with a required match of 25%. Sip indicated that the RRWMB will also have a Competitive Grants Program for water quality projects that will also require a local match. A Water Quality Committee has been formed to review and recommend projects for funding to the full RRWMB. The 2019 Audit has been completed and is available for review on the RRWMB website. Sip discussed the 2021 levy and budget process and recent legislative session.

The Board reviewed Pay Estimate No. 4 in the amount of \$450,116.08 to R.J. Zavoral and Sons, Inc. for construction of the Thief River Falls Westside Flood Damage Reduction Project, RLWD Project No. 178. Motion by Ose, seconded by Page, to approve Pay Estimate No. 4 in the amount of \$450,116.08 to R.J. Zavoral and Sons, Inc., for construction of the Thief River Falls

Westside Flood Damage Reduction Project, RLWD Project No. 178. Upon roll call vote, motion carried unanimously.

The Board reviewed a request from the Sandhill River Watershed District for a boundary review in Onstad Township, Polk County, along the State Highway 102 corridor. Participating in the conversation via conference call was: Administrator April Swenby, Sandhill River Watershed District, Zach Hermann, Houston Engineering, Inc., and Staff member Loren Sanderson. Swenby indicated that a local landowner called the Sandhill River Watershed District regarding a drainage issue. In reviewing the area, they determined that there are areas in the old railroad grade that should have plugs installed, which would make the railroad grade the official boundary. Herman discussed a 24" culvert installed by MnDOT, that was meant to be a dry crossing. Sandhill River Watershed District ordered the culvert to be removed by MnDOT, which has not been completed. Swenby noted that there are additional culverts that allow the flow of water, which could cause water to break out. Sanderson discussed work completed in 2009 and boundary changes in 2011. Herman reviewed an estimated cost of \$5,000-\$8,000 to complete a field survey and hydraulic impact analysis. Manager Sorenson asked if MnDOT has been contacted to clean the off-take ditch. Swenby stated that three letters were sent to MnDOT asking them to clean the ditch. Motion by Dwight, seconded by Torgerson, to approve hiring Houston Engineering, Inc., to complete the tasks as presented, with the RLWD and Sandhill River Watershed District sharing the costs. Further discussion on the matter was held, with Manager Sorenson asking Sanderson for his opinion. Sanderson commented that the off-take ditch is restricted by cattails, and the issue could be resolved with some minor adjustments to the drainage boundary. Upon roll call vote, motion carried unanimously.

The Board reviewed Pay Estimate No. 3 in the amount of \$165,917.62, to Burski Excavating, Inc., for construction of RLWD Ditch 16, RLWD Project No. 177. Motion by Sorenson, seconded by Ose, to approve Pay Estimate No. 3 to Burski Excavating, Inc., in the amount of \$165,917.62 for construction of RLWD Ditch 16, RLWD Project No. 177. Upon roll call vote, motion carried unanimously. Engineer Jerry Pribula, Pribula Engineering, PLLC, discussed his concerns with Burski Excavating, Inc.'s ability to complete the project prior to the May 8, 2021 completion date. Pribula stated that he is very pleased with their workmanship, but with only $\frac{3}{4}$ mile of the ditch completed and a remaining $8\frac{1}{2}$ miles left to complete, Pribula was concerned that they will not have the excavation completed in time. Pribula stated that the Highway 220 culvert has been completed, but no field inlets or centerline culverts have been installed. Pribula noted that when the Highway 220 culvert was installed there was zero material to salvage, so additional sand was purchased. If construction goes into the 2021 construction season there may have to be additional temporary damages that will need to be purchased from the landowners for crop damage. Pribula has expressed his concern with the completion of the project to the foreman. Motion by Torgerson, seconded by Sorenson, to submit a letter to Burski Excavating, Inc., documenting the concerns of the District regarding completion of construction of RLWD Ditch 16, RLWD Project No. 177. Upon roll call vote, motion carried unanimously. Pribula displayed a photo of a portion of completed ditch, noting the 5:1 in-slope and backslope, which appears to be vulnerable to the ground water table and slumping on the field side where water is seeping through the clay. Pribula noted that he will monitor the situation.

Discussion was held on a potential Final Hearing date for the Improvement to Polk County Ditch 39, RLWD Project No. 179. Administrator Jesme stated that the petitioners have been calling and requesting that the hearing process begin. Discussion was held on potential locations to hold the hearing and the possibility of using the District garage and arrange for a tent and sound system to allow for social distancing due to COVID 19. After considerable discussion concerning COVID 19 and compliance with Governors most recent executive orders, motion by Ose, seconded by Torgerson, to schedule the Final Hearing for the Improvement to Polk County Ditch 39, RLWD Project No. 179 on July 24, 2020 at 9:00 a.m. at the District office. Upon roll call vote, motion carried unanimously.

Administrator Jesme stated that the District has received their U.S. Army Corps of Engineers permit for construction of the Black River Impoundment, RLWD Project No. 176. Jesme indicated that due to President Trump's roll back from the 2015 U.S. Army Corps of Engineer rules for jurisdiction which became effective at midnight June 22, 2020, the Corps was able to submit a Nationwide Permit versus mitigating various wetlands they had taken jurisdiction of. Engineer Tony Nordby, Houston Engineering, Inc., reviewed funding alternatives and the RRWMB Star value. Nordby stated that he is ready to submit the Step 3 submittal to the RRWMB at their July meeting. Jesme indicated that with no option for state funding, if the project does receive federal funding, we would incorporate that into the funding package. The District would need to sign a prioritization plan before submittal to the RRWMB. It was the consensus of the Board to use Funding Alternative 4.

The Board reviewed the FDR Work Group Budget for Fiscal Year 2021. Rob Sip, RRWMB stated that the FDR Work Group will be looking at reallocation of funds.

The Board reviewed a Memorandum of Agreement between the West Polk SWCD and the District for Administration of the Buffer Law on Watershed District Jurisdictional Ditches. Administrator Jesme stated that the West Polk SWCD requires this for their role in the inspection and enforcement of the State buffer law. Motion by Sorenson, seconded by Dwight, to approve signature of the Memorandum of Agreement between the West Polk SWCD and the District for the Administration of the Buffer Law on Water District Jurisdictional Ditches, subject to review of Legal Counsel Delray Sparby. Upon roll call vote, motion carried unanimously.

Staff member Nick Olson stated that with the early June rain events, the North and South Pool at the Moose River Impoundment, RLWD Project No. 13, increased over the max no flood elevation. Both pools began releasing water on June 19, 2020, which will take an estimated 3-6 days to reach the summer target elevations.

The Board reviewed the Final Pay Estimate in the amount of \$2,172.80 to Higher Ground/Paul Zavoral for construction of the Shaumburg Ring Dike, RLWD Project No. 129AR. Motion by Ose, seconded by Torgerson, to approve the Final Pay Estimate in the amount of \$2,175.80 to Higher Ground/Paul Zavoral for completion of the Shaumburg Ring Dike, RLWD Project No. 129AR. Upon roll call vote, motion carried unanimously.

Administrator Jesme stated that a request was made to the RRWMB for additional funding for the Threat Ring Dike, RLWD Project No. 129AS, due to the expiration of state funding agreement on June 30, 2020. Jesme stated that this project was quoted out in three items: sewer, dirt work and retaining wall; with all the quotes coming in much higher than expected. The Engineer's Estimate for the project was \$96,000 and the lowest quote for the retaining wall was \$118,000. Jesme stated that the Engineer is now looking at other alternatives such as an earthen or timber wall

Staff member Nick Olson discussed the drainage dispute in Section 13, Star Township, Pennington County. Olson stated that he, along with staff member Dave Marshall, met with both landowners to assist in resolving the issue.

Motion by Page, seconded by Sorenson, to table RLWD Permit No. 20-100, Josh Barrett, Sullivan Township, Polk County, to allow for further review. Upon roll call vote, motion carried unanimously.

The Board reviewed the permits for approval. Motion by Ose, seconded by Page, to approve the following permits with conditions stated on the permit: No. 20-073, E&D Roed Revocable Living Trust, King Township, Polk County; No. 20-078, Robert A. Englund, Spruce Grove Township, Beltrami County; No. 20-080, Cole Perry, Vineland Township, Polk County; No. 20-084, Nancy Byklum, Valley Township, Marshall County; No. 20-086, Donald J. Mack, Northland Township, Polk County; No. 20-087, Donald J. Mack, Sullivan Township, Polk County; No. 20-088, Roger Love, Fanny Township, Polk County; No. 20-091, Randall & Judith Adamson, Norden Township, Pennington County; No. 20-092, Pete Carlson Revocable Trust, North Township, Pennington County; No. 20-093 and No. 20-094, King Township, Polk County; No. 20-095, Dale Rupperecht, Agder Township, Marshall County; No. 20-096, Bernard Fallon, Emardville Township, Red Lake County; No. 20-097, Douglas Peterson, Grand Forks Township, Polk County; 20-098, Folsom Farms, Sullivan Township, Polk County; No. 20-099, Douglas Peterson, Sullivan Township, Polk County; No. 20-101, Gary & Faith Riggle, Rocksbury Township, Pennington County; No. 20-103, Russell Jaspersen, Mayfield Township, Pennington County; No. 20-104, KAM Farmland Holdings GP, Badger Township, Polk County; No. 20-107, Enbridge Energy, LP, Lambert Township, Red Lake County; No. 20-110; Violet Doda, Euclid Township, Polk County; No. 20-111, John Anton, Sanders Township, Pennington County; No. 20-112, Peter Carlson Revocable Trust, Rocksbury Township, Pennington County; No. 20-113, Mike Wiebolt, Sanders Township, Pennington County. No. 20-115, Sanders Township, Pennington County; and No. 20-117 and 20-118, Louisville Township, Red Lake County. Motion carried unanimously following roll call vote.

Administrators Report:

- Jesme and Manager Ose attended the June 16, 2020 RRWMB via Microsoft Teams. Due to a lack of time, Jesme was unable to present his presentation on the TRF Westside FDR Project.
- Jesme was asked to participate in a RRWMB Governing Document meeting on July 7, 2020, to assist in the discussion on Step 3 funding options.

- The Clearwater River 1W1P application for Watershed Based Funding for the Clearwater River was submitted on June 12, 2020.
- Jesme participated in a virtual FEMA Coordination meeting on June 17, 2020. The purpose of the meeting was to update community officials and discuss the map process, next steps, ordinance information, public comment period and areas of concern. This was all part of a grant the RLWD and MnDNR partnered in to review the floodplain along the Red Lake River from TRF to EGF.
- Staff member Slowinski has inspected the buffer strip mowing on all legal drainage systems of the District. There have been some issues, in that contractors have either broken down or not started in a timely manner. Slowinski is working on reallocating ditches to other contractors.
- The District is working with the City of TRF and HDR Engineering to get a proposal and funding package together to present to the RRWMB at their July 21, 2020 meeting for the Thief River Oxbow Project.
- Included in the packet was an article from the Wahpeton Daily News Article regarding the removal of a Watershed Board member.
- The District office will be closed on July 3rd in observance of the July 4th Holiday. Jesme is planning vacation from July 2nd to July 8th but may need to partake in the Governing Document telephone conference on the 7th.
- Included in the packet was the April and May 2020 Water Quality Report.

Vice President Tiedemann turned the meeting over to Secretary LeRoy Ose and then left the meeting.

Administrator Jesme asked Legal Counsel Sparby about the hearing on Judicial Ditch 5 (Four-Legged Lake), RLWD Project No. 102. Sparby indicated that Clearwater County Engineer Dan Sauve would possibly be the only one subpoenaed.

Motion by Sorenson, seconded by Page, and passed by unanimous roll call vote to adjourn the meeting.

LeRoy Ose, Secretary

RED LAKE WATERSHED DISTRICT
Financial Report for July 8, 2020

Ck#	Check Issued to:	Description	Amount
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	4,758.75
online	MN Department of Revenue	Withholding taxes	876.15
online	Public Employees Retirement Assn.	PERA	2,707.68
online	EFTPS	Withholding for FICA, Medicare, and Federal taxes	298.34
38259	Burski Excavating, Inc.	Pay request #3, RLWD Ditch 16	165,917.62
38260	Higher Ground	Final payment-Schaumburg Ring dike	2,172.80
38261	R.J. Zavoral & Sons, Inc.	Pay request #4, TRF Westside FDR Proj.	450,116.08
38262	Austin Audette	Mow lawn in June	560.00
38263	Tammy Audette	Clean offices in June	280.00
38264	City of Thief River Falls	Electricity, sewer, water, etc.	584.96
38265	Les Cota	Mow ditches-RLWD Ditch 14 and Water Management District	1,440.00
38266	Delta Dental	Dental insurance	529.20
38267	Dyrdahl Construction, Inc.	Remove beaver dams-Proj. 49	830.00
38268	Farmers Union Oil Company	Gas for vehicles	533.53
38269	Fleet Supply	Shovel, pitch fork, off spray	120.31
38270	Frontier Precision, Inc.	Trimble survey equipment, software, licenses, rods, etc.	12,539.95
38271	Hugo's #7	Meeting and water quality supplies	98.74
38272	Floyd Jesme	Spray lawn for weeds	590.00
38273	Les's Sanitation, Inc.	Garbage pickup	34.70
38274	Red River Watershed Mgmt. Board	First half of taxes collected	786,843.64
38275	Matrix Trust Company	Deferred Compensation	914.26
38276	MN Energy Resources Corp	Heating expense	20.00
38277	Northwest Beverage, Inc.	H2O for office	23.50
38278	Pitney Bowes Global Financial	Postage meter rental	84.00
38279	Quill Corporation	Postits, printer paper & ribbon, highlighters, sanitizing supplies	218.39
38280	RMB Environmental Laboratories	Lab analysis of water quality samples	1,890.00
38281	Sjobergs Cable TV	Internet expense	106.95
38282	Speedee Delivery	Shipping fee for water quality samples	17.33
38283	Gene Tiedemann	Mileage	322.55
38284	Robert Wagner	Data practices expense for RLWD Proj. 179	400.00
38285	Widseth Smith Nolting	Engineering fees for Threat Ring Dike	6,642.50
online	Blue Cross Blue Shield	Health insurance premium	3,431.00
Approve	Oil Boyz Express Lube	Oil change on 2015 Ford pickup	50.20
	Payroll		
	Check #11981-11990		15,223.64
	Total Checks		\$ 1,461,176.77

Banking**Northern State Bank**

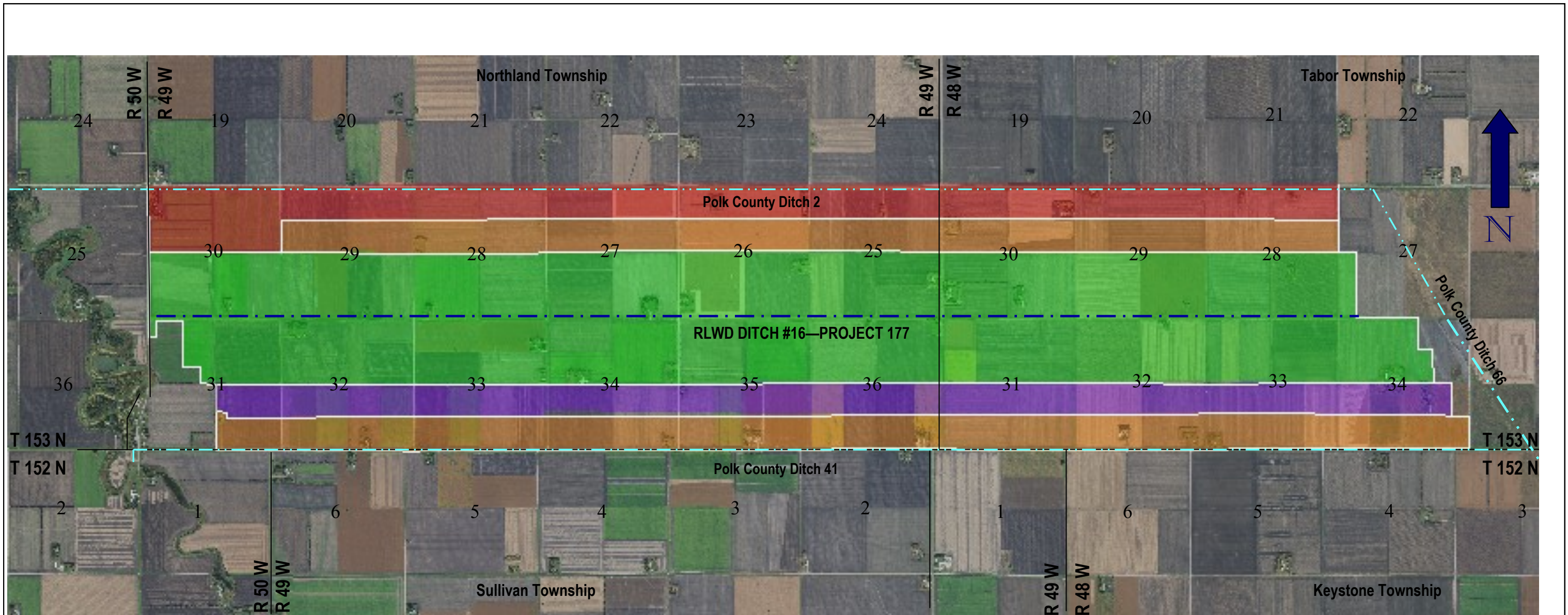
Balance as of June 24, 2020	\$ 1,572,254.55
Total Checks Written	(1,461,176.77)
Receipt #989782 Transfer to American Federal Bank	(500,000.00)
Receipt #989783 State of MN-Thief River 1W1P based implementation funding	264,946.00
Receipt #989785 Northern State Bank-Monthly interest	141.51
Receipt #989786 Red River Watershed Mgmt. Board-Reimburse for cost share of ring dikes	3,117.42
Receipt #989787 Loren/Marjean Sanderson-Reimburse for health and dental insurance	761.45
Receipt #989788 Unity Bank-Monthly interest on CDARS CDs	781.56
Receipt #989789 Mahnomment County-remaining 30% of collected current and delinquent taxes	740.37
Receipt #989790 Pennington County-current, delinquent and severed mineral taxes	351,396.13
Receipt #989791 Koochiching County-Current, delinquent and severed mineral taxes	12,546.17
Balance as of July 8, 2020	<u>\$ 245,508.39</u>

Current interest rate is .30%

American Federal Bank-Fosston

Balance as of June 24, 2020	\$ 6,254,626.73
Receipt #989782 Transfer in from Northern State Bank	500,000.00
Receipt #989784 American Federal Bank-Monthly interest	4,169.48
Balance as of July 8, 2020	<u>\$ 6,758,796.21</u>

Current interest rate is .75%



BENEFITS RED LAKE WATERSHED DISTRICT DITCH #16 - PROJECT NO 177

DAMAGES

Permanent Ditch Right of Way & 1 Rod Grass Strip = \$4,000 /AC X 87.9 acres = \$351,840.00

Temporary Construction Right of Way = \$300 /AC X 113.49 acres = \$ 34,041.00

Benefits to Land =	\$
<u>Benefits to Roads & Corporations</u>	
• MN Dept of Transportation	3.0 AC = \$ 975.00
• Polk County Highway	24.0 AC = \$ 7,800.00
• Northland Township	53.0 AC = \$20,225.00
• Tabor Township	30.8 AC = \$11,885.00

Total Roads & Corporations = \$ 40,885.00

Grand Total Benefits = **\$**

LEGEND

AREA 1	\$ 450.00/AC - CLASS A (AG1-CROPPED)
AREA 2	\$ 350.00/AC - CLASS A (AG2-CROPPED)
AREA 3	\$ 125.00/AC - CLASS A (AG3-CROPPED)
AREA 4	\$ 50.00/AC - CLASS A (AG3-CROPPED)
	\$ 65.00/AC - CLASS "C" (WOODLOTS / CONSERVATION)
	\$1,150.00/AC - CLASS "E" (CONVERTED WETLANDS)
- . - . - .	Ditch 16—Project 177
- . . - . .	OTHER COUNTY DITCHES

Date Revised 4-16-19
Sheet 1 of 1
N.T.S.

Polk County
Red Lake Watershed District
RLWD Ditch #16—Project 177

BENEFIT MAP

PREPARED BY: *Jerry Bennett, Roger Beiswenger, Rob Wagner*

Red Lake Watershed District

President
Dale M. Nelson

Vice President
Gene Tiedemann

Treasurer
Terry Sorenson

1000 Pennington Avenue South
Thief River Falls, MN 56701
218-681-5800

218-681-5839 FAX
e-mail: RLWD.redlakewatershed.org
www.redlakewatershed.org

Secretary
LeRoy Ose

Managers
Les Torgerson
Allan Page
Brian Dwight

July 6, 2020

Ron Burski
Burski Excavating, Inc.
PO Box 130
Rice, MN 56367

Dear Mr. Burski,

I am contacting you regarding the contractual completion date of July 8, 2020 for the construction of Red Lake Watershed District Ditch No. 16/ RLWD Project 177. The contract signed by your firm required that you begin work no later than July 8, 2019 and that all work be completed by July 8, 2020. It is very evident that the project will not complete by this date.

The Red Lake Watershed District has been contacted by many landowners that are paying for the project and farm operators that are farming the land in the project assessment area. They are all very concerned that the progress on the project has been extremely slow. They feel, and the Red Lake Watershed Board of Managers agree, that during the 2021 next growing season the landowners are entitled to the drainage that they have paid for and be provided upon a completed project. They also feel that the temporary right of way easement adjacent to the newly constructed ditch should be farmable in the spring of 2021. If they are not able to farm the temporary right of way, they should be compensated for the loss of the use of it for yet another year.

All construction permits for the project were in place on October 11, 2019. It should be noted and was clarified in the USACOE letter, that the downstream permitting issues in no way prevented you from starting the project as required on July 8, 2019. Work could and should have commenced at this time east of Minnesota State Highway No. 220. After delaying the start of construction on the project there was an extremely large rainfall even on September 20, 2019 which virtually ended the fall construction season and prevented you from starting any construction until May 18, 2020.

Given all circumstances listed above, the RLWD Board of Managers feels it would be fair to revise the original enforcement completion date of July 8, 2020. Based on the original signed contract we have you which allowed 365 days to complete the project, the RLWD will move the start date of construction to be May 18, 2020, which was your chosen delayed start date of construction as the enforcement date to complete all work on the project including grass seeding. Therefore, given the 365 days to complete, **the revised completion date that we fully intend to enforce is therefore May 18, 2021.**

There are additional concerns that we feel your construction company does not recognize and we feel is causing undo delays in your progress. The heavy soil conditions in the Red River Valley should have been expected and known by your firm. Wet working conditions could slow down progress on a project such as this but by no means should cause excavation work to completely stop as we are witnessing to date. You should consider adapting to unfavorable work conditions so work can be completed by May 18, 2021.

One suggestion would be is to increase your work force on the project. It is becoming very clear, there is not enough equipment nor manpower on site to accomplish what needs to be done before May 18, 2021.

Please know that we are extremely satisfied with the quality of work that has been completed on the project to date, but quantity of work completed to date is far from satisfactory. We also in no way fault the field leadership you have provided on the project as in our opinion, he has not been given the personal to complete the job in a timely manner. In our conclusion and based on the progress to date, we do not believe the project will be completed on time unless you provide additional resources to your construction effort. It is strongly suggested this deficiency be address as soon as possible to assure completion in the time frame mentioned in this letter.

If you have any questions, please feel free to reach out to me.

Sincerely,

Myron Jesme
Administrator



Contractor's Application and Certificate for Payment Summary

To (Owner): Red Lake Watershed District	From (Contractor): R.J. Zavoral & Sons, Inc.	Via (Engineer): Nathan P. Dalager
Owner's Project No.: 178	Contractor's Project No.:	Engineer's Project No.: 10134290
For (Contract): Thief River Falls Westside Flood Damage Reduction Project	Application No.: 5	Application Period: 6/18/2020 - 7/2/2020

**Application for Payment
Change Order Summary**


Change Orders Approved by Owner:			
Number	Date Approved	Additions	Deductions
1	5/5/2020	\$ 173,944.09	\$ -
2	5/14/2020	\$ -	\$ 27,577.00
3	5/28/2020	\$ 12,204.00	\$ -
4	6/8/2020	\$ 15,594.00	\$ -
		\$ -	\$ -
		\$ -	\$ -
		\$ -	\$ -
TOTALS		\$ 201,742.09	\$ 27,577.00
NET CHANGE BY CHANGE ORDERS		\$ 174,165.09	

1. ORIGINAL CONTRACT PRICE	\$ 6,632,761.68
2. NET CHANGE BY CHANGE ORDERS	\$ 174,165.09
3. CONTRACT SUM TO DATE (Line 1 ± 2)	\$ 6,806,926.77
4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimate)	\$ 1,677,029.57
5. RETAINAGE: 5% of Completed Work and Stored Material	\$ 83,851.48
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5)	\$ 1,593,178.09
7. LESS PREVIOUS PAYMENTS	\$ 1,196,778.25
8. AMOUNT DUE THIS APPLICATION	\$ 396,399.85
9. BALANCE TO FINISH	\$ 5,129,897.20
10. PERCENT COMPLETE	24.64%

Contractor's Certification

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief, the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

Contractor:

By: 	Date: 07/07/2020
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Payment of:
\$ 396,399.85 is recommended.

HDR Engineering, Inc.
By:  Date: 7/7/2020

Red Lake Watershed District
By: _____ Date: _____



Contractor's Application and Certificate for Payment Summary

To (Owner): Red Lake Watershed District	From (Contractor): R.J. Zavoral & Sons, Inc.	Via (Engineer): Nathan P. Dalager
Owner's Project No.: 178	Contractor's Project No.:	Engineer's Project No.: 10134290
For (Contract): Thief River Falls Westside Flood Damage Reduction Project	Application No.: 5	Application Period: 6/18/2020 - 7/2/2020

Summary of Previous Payments

Application No.	Application Period	Payment Amount
1	4/20/2020 - 5/7/2020	\$ 191,120.05
2	5/7/2020 - 5/21/2020	\$ 199,068.23
3	5/21/2020-6/4/2020	\$ 356,473.89
4	6/4/2020-6/18/2020	\$ 450,116.08

Application No.	Application Period	Payment Amount



Contractor's Application and Certificate for Payment

For (contract):		Thief River Falls Westside Flood Damage Reduction Project					Contractor:		R.J. Zavoral & Sons, Inc.					
Application No.:		5					Application Period:		6/18/2020 - 7/2/2020					
A			B		C		D	E	F	G	H	I	J	
Item					Work Completed			Materials Presently Stored (not in C or D)	Total Completed and Stored To Date (C+D+E)	Percent Complete To Date (%)	Total Cost This Period	Total Cost Complete to Date	Balance to Finish (A - F)	
Item No.	Description	Unit	Contract Quantity	Contract Unit Price	Scheduled Value	From Previous Applications	This Period							
2021.501	MOBILIZATION	LUMP SUM	1	\$259,500.00	\$259,500.00	0.50	0.1	0.0	0.6	60.00%	\$25,950.00	\$155,700.00	0.40	
2101.501	CLEARING AND GRUBBING	LUMP SUM	1	\$27,725.00	\$27,725.00	1.0	0.0	0.0	1	100.00%	\$0.00	\$27,725.00	0.0	
2104.503	REMOVE 24" CS PIPE CULVERT	LIN FT	68	\$10.00	\$680.00	61.0	0.0	0.0	61	89.71%	\$0.00	\$610.00	7.0	
2104.503	REMOVE 115" x 72" RC ARCH PIPE	LIN FT	92	\$19.00	\$1,748.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	92.0	
2104.503	REMOVE 138" x 88" RC ARCH PIPE	LIN FT	74	\$20.00	\$1,480.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	74.0	
2104.503	REMOVE 154" x 97" RC ARCH PIPE	LIN FT	80	\$23.00	\$1,840.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	80.0	
2104.503	SALVAGE 60" RC ARCH PIPE	LIN FT	150	\$24.50	\$3,675.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	150.0	
2104.502	SALVAGE SIGN TYPE A	EACH	14	\$200.00	\$2,800.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	14.0	
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	832	\$2.50	\$2,080.00	0.0	176.0	0.0	176	21.15%	\$440.00	\$440.00	656.0	
2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	2946	\$8.65	\$25,482.90	1286.0	0.0	0.0	1286	43.65%	\$0.00	\$11,123.90	1660.0	
2105.607	SPOIL HAULING (P)	CU YD	35480	\$7.95	\$282,066.00	1,000.0	1,500.0	0.0	2,500.00	7.05%	\$11,925.00	\$19,875.00	32980.0	
2105.504	GEOTEXTILE FABRIC TYPE 5	SQ YD	9876	\$1.55	\$15,307.80	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	9876.0	
2105.507	COMMON EXCAVATION (P)	CU YD	595137	\$2.68	\$1,594,967.16	181,155.0	85,000.0	0.0	266,155.00	44.72%	\$227,800.00	\$713,295.40	328982.0	
2105.507	COMMON BORROW (CV)	CU YD	10035	\$6.80	\$68,238.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	10035.0	
2118.509	AGGREGATE SURFACING, CLASS 1	TON	90	\$17.80	\$1,602.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	90.0	
2118.509	AGGREGATE SURFACING, CLASS 5	TON	2151	\$11.00	\$23,661.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	2151.0	
2211.509	AGGREGATE BASE, CLASS 3	TON	929	\$10.00	\$9,290.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	929.0	
2211.509	AGGREGATE BASE, CLASS 5	TON	1137	\$11.00	\$12,507.00	0.0	753.0	0.0	753	66.23%	\$8,283.00	\$8,283.00	384.0	
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2,B)	TON	367	\$90.00	\$33,030.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	367.0	
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,B)	TON	175	\$90.00	\$15,750.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	175.0	
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (3,C)	TON	409	\$100.00	\$40,900.00	0.0	366.0	0.0	366	89.49%	\$36,600.00	\$36,600.00	43.0	
2411.507	STRUCTURAL CONCRETE (3G52) (P)	CU YD	21	\$2,000.00	\$42,000.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	21.0	
2411.508	REINFORCEMENT BARS (EPOXY COATED) (P)	POUND	10270	\$2.15	\$22,080.50	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	10270.0	
2412.502	10X8 PRECAST CONCRETE BOX CULVERT END SECTION	EACH	2	\$16,255.00	\$32,510.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	2.0	
2412.502	12X8 PRECAST CONCRETE BOX CULVERT END SECTION	EACH	2	\$17,600.00	\$35,200.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	2.0	
2412.502	12X10 PRECAST CONCRETE BOX CULVERT END SECTION	EACH	1	\$27,365.00	\$27,365.00	0.0	1.0	0.0	1	100.00%	\$27,365.00	\$27,365.00	0.0	
2412.503	10X8 PRECAST CONCRETE BOX CULVERT	LIN FT	84	\$1,075.00	\$90,300.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	84.0	
2412.503	12X8 PRECAST CONCRETE BOX CULVERT	LIN FT	102	\$1,125.00	\$114,750.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	102.0	
2412.503	12X10 PRECAST CONCRETE BOX CULVERT	LIN FT	120	\$1,335.00	\$160,200.00	120.0	0.0	0.0	120	100.00%	\$0.00	\$160,200.00	0.0	
2442.501	REMOVE EXISTING BRIDGE	LUMP SUM	2	\$5,700.00	\$11,400.00	1.0	0.0	0.0	1	50.00%	\$0.00	\$5,700.00	1.0	
2451.507	GRANULAR BEDDING (CV)	CU YD	5084	\$11.15	\$56,686.60	654.0	0.0	0.0	654	12.86%	\$0.00	\$7,292.10	4430.0	
2461	FLOWABLE FILL CONCRETE	CU YD	211	\$140.00	\$29,540.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	211.0	
2501.502	24" CAS PIPE APRON	EACH	3	\$375.00	\$1,125.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	3.0	
2501.502	30" CAS PIPE APRON	EACH	2	\$598.00	\$1,196.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	2.0	
2501.502	36" CAS PIPE APRON	EACH	4	\$930.00	\$3,720.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	4.0	
2501.502	18" CS PIPE APRON	EACH	18	\$170.00	\$3,060.00	2.0	0.0	0.0	2	11.11%	\$0.00	\$340.00	16.0	
2501.502	24" CS PIPE APRON	EACH	6	\$230.00	\$1,380.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	6.0	



Contractor's Application and Certificate for Payment

For (contract):		Thief River Falls Westside Flood Damage Reduction Project					Contractor:		R.J. Zavoral & Sons, Inc.						
Application No.:		5					Application Period:		6/18/2020 - 7/2/2020						
A			B			C		D	E		F	G	H	I	J
Item			Work Completed												
Item No.	Description	Unit	Contract Quantity	Contract Unit Price	Scheduled Value	From Previous Applications		Materials Presently Stored (not in C or D)	Total Completed and Stored To Date (C+D+E)	Percent Complete To Date (%)	Total Cost This Period	Total Cost Complete to Date	Balance to Finish		
							This Period						(A - F)		
2501.502	36" CS PIPE APRON	EACH	1	\$525.00	\$525.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	1.0		
2501.502	48" CS PIPE APRON	EACH	8	\$1,100.00	\$8,800.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	8.0		
2501.502	FLAP GATE FOR 18"CS PIPE	EACH	16	\$685.00	\$10,960.00	2.0	0.0	0.0	2	12.50%	\$0.00	\$1,370.00	14.0		
2501.502	FLAP GATE FOR 24"CS PIPE	EACH	3	\$760.00	\$2,280.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	3.0		
2501.503	24" CAS PIPE CULVERT	LIN FT	222	\$40.00	\$8,880.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	222.0		
2501.503	30" CAS PIPE CULVERT	LIN FT	68	\$55.00	\$3,740.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	68.0		
2501.503	36" CAS PIPE CULVERT	LIN FT	143	\$65.00	\$9,295.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	143.0		
2501.503	15" CS PIPE CULVERT	LIN FT	20	\$32.00	\$640.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	20.0		
2501.503	18" CS PIPE CULVERT	LIN FT	1054	\$33.00	\$34,782.00	188.0	0.0	0.0	188	17.84%	\$0.00	\$6,204.00	866.0		
2501.503	24" CS PIPE CULVERT	LIN FT	262	\$40.00	\$10,480.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	262.0		
2501.503	48" CS PIPE CULVERT	LIN FT	271	\$105.00	\$28,455.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	271.0		
2501.503	84" CS PIPE CULVERT (BEVEL CUT ENDS)	LIN FT	636	\$187.00	\$118,932.00	444.0	0.0	0.0	444	69.81%	\$0.00	\$83,028.00	192.0		
2501.503	102" SPAN CS PIPE ARCH CULVERT (BEVEL CUT ENDS)	LIN FT	67	\$220.00	\$14,740.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	67.0		
2501.503	30" STEEL CASING PIPE - JACK INSTALLED	LIN FT	169	\$678.00	\$114,582.00	160.0	9.0	0.0	169	100.00%	\$6,102.00	\$114,582.00	0.0		
2501.503	30" STEEL CASING PIPE	LIN FT	106	\$772.00	\$81,832.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	106.0		
2501.503	36" STEEL CASING PIPE	LIN FT	59	\$177.00	\$10,443.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	59.0		
2501.503	54" STEEL CASING PIPE - JACK INSTALLED	LIN FT	168	\$1,500.00	\$252,000.00	0.0	30.0	0.0	30	17.86%	\$45,000.00	\$45,000.00	138.0		
2501.515	18" RC PIPE APRON	EACH	3	\$540.00	\$1,620.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	3.0		
2501.515	24" RC PIPE APRON	EACH	8	\$630.00	\$5,040.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	8.0		
2501.515	36" RC PIPE APRON	EACH	3	\$1,160.00	\$3,480.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	3.0		
2503.503	36" CS PIPE SEWER	LIN FT	738	\$67.00	\$49,446.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	738.0		
2503.503	12" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	23	\$50.00	\$1,150.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	23.0		
2503.503	15" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	19	\$55.00	\$1,045.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	19.0		
2503.503	18" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	164	\$58.00	\$9,512.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	164.0		
2503.503	24" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	1020	\$56.00	\$57,120.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	1020.0		
2503.503	36" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	823	\$106.00	\$87,238.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	823.0		
2503.503	48" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	2036	\$167.00	\$340,012.00	80.0	0.0	0.0	80	3.93%	\$0.00	\$13,360.00	1956.0		
2503.503	54" RC PIPE SEWER DESIGN 3006, CLASS III	LIN FT	2284	\$212.00	\$484,208.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	2284.0		
2503.503	54" RC PIPE SEWER DESIGN 3006, CLASS IV	LIN FT	108	\$238.00	\$25,704.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	108.0		
2503.503	60" RC PIPE CULVERT DESIGN 3006, CLASS III	LIN FT	16	\$248.00	\$3,968.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	16.0		
2503.602	CONNECT TO EXISTING FORCE MAIN	EACH	2	\$1,800.00	\$3,600.00	2.0	0.0	0.0	2	100.00%	\$0.00	\$3,600.00	0.0		
2506.502	CONSTRUCT DRAINAGE STRUCTURE 36" CS PIPE RISER	EACH	2	\$1,100.00	\$2,200.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	2.0		
2506.502	CONSTRUCT 4X4 DRAINAGE STRUCTURE, PRECAST	EACH	3	\$7,475.00	\$22,425.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	3.0		
2506.502	CONSTRUCT 6X6 DRAINAGE STRUCTURE, PRECAST	EACH	10	\$11,085.00	\$110,850.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	10.0		
2506.502	CONSTRUCT 8X6 DRAINAGE STRUCTURE, PRECAST	EACH	10	\$14,815.00	\$148,150.00	1.0	0.0	0.0	1	10.00%	\$0.00	\$14,815.00	9.0		
2506.502	CONSTRUCT 8X8 DRAINAGE STRUCTURE, PRECAST	EACH	2	\$14,400.00	\$28,800.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	2.0		
2506.502	CONSTRUCT 10X6 DRAINAGE STRUCTURE, PRECAST	EACH	1	\$15,915.00	\$15,915.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	1.0		



Contractor's Application and Certificate for Payment

For (contract):		Thief River Falls Westside Flood Damage Reduction Project				Contractor:		R.J. Zavoral & Sons, Inc.						
Application No.:		5				Application Period:		6/18/2020 - 7/2/2020						
A					B	C		D	E	F	G	H	I	J
Item					Work Completed			Materials Presently Stored (not in C or D)	Total Completed and Stored To Date (C+D+E)	Percent Complete To Date (%)	Total Cost This Period	Total Cost Complete to Date	Balance to Finish (A - F)	
Item No.	Description	Unit	Contract Quantity	Contract Unit Price	Scheduled Value	From Previous Applications	This Period							
2506.502	CONSTRUCT 10X8 DRAINAGE STRUCTURE, PRECAST	EACH	1	\$34,850.00	\$34,850.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	1.0	
2506.502	CASTING ASSEMBLY - BEEHIVE GRATE AND FRAME	EACH	3	\$1,250.00	\$3,750.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	3.0	
2506.502	CASTING ASSEMBLY - COVER AND FRAME	EACH	3	\$780.00	\$2,340.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	3.0	
2511.507	RANDOM RIPRAP - SPECIAL (CLASS 3)	CU YD	1044	\$105.00	\$109,620.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	1044.0	
2511.507	RANDOM RIPRAP - SPECIAL (CLASS 4)	CU YD	362	\$105.00	\$38,010.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	362.0	
2511.507	RANDOM RIPRAP - SPECIAL (D50 = 18")	CU YD	1450	\$105.00	\$152,250.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	1450.0	
2511.507	RANDOM RIPRAP (CLASS 2)	CU YD	225	\$85.00	\$19,125.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	225.0	
2511.507	RANDOM RIPRAP (CLASS 3)	CU YD	2057	\$85.00	\$174,845.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	2057.0	
2511.507	RANDOM RIPRAP (CLASS 4)	CU YD	1063	\$85.00	\$90,355.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	1063.0	
2511.509	GRANULAR FILTER MATERIAL	TON	354	\$85.00	\$30,090.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	354.0	
2531.501	CONCRETE CURB & GUTTER DESIGN B618	LIN FT	110	\$54.00	\$5,940.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	110.0	
2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$25,000.00	\$25,000.00	0.75	0.0	0.0	0.75	75.00%	\$0.00	\$18,750.00	0.3	
2563.601	DETOUR SIGNING	LUMP SUM	1	\$13,550.00	\$13,550.00	0.2	0.0	0.0	0.2	20.00%	\$0.00	\$2,710.00	0.8	
2563.602	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	6	\$2,600.00	\$15,600.00	3.0	0.0	0.0	3	50.00%	\$0.00	\$7,800.00	3.0	
2573.502	STORM DRAIN INLET PROTECTION	EACH	4	\$125.00	\$500.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	4.0	
2573.503	SEDIMENT CONTROL LOG TYPE WOOD CHIP	LIN FT	782	\$5.50	\$4,301.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	782.0	
2573.503	FLOTATION SILT CURTAIN TYPE MOVING WATER	LIN FT	160	\$17.00	\$2,720.00	100.0	0.0	0.0	100	62.50%	\$0.00	\$1,700.00	60.0	
2573.503	SEDIMENT CONTROL LOG TYPE STRAW	LIN FT	2546	\$3.00	\$7,638.00	337.0	0.0	0.0	337	13.24%	\$0.00	\$1,011.00	2209.0	
2574.505	SOIL BED PREPARATION	ACRE	10.8	\$200.00	\$2,160.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	10.8	
2574.508	FERTILIZER, TYPE 1	POUND	18800	\$0.50	\$9,400.00	2800.0	0.0	0.0	2,800.00	14.89%	\$0.00	\$1,400.00	16000.0	
2574.508	FERTILIZER, TYPE 3	POUND	220	\$0.50	\$110.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	220.0	
2575.504	TURF REINFORCEMENT MAT, CATEGORY 4	SQ YD	3200	\$16.00	\$51,200.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	3200.0	
2575.505	SEEDING	ACRE	75.1	\$300.00	\$22,530.00	14.0	0.0	0.0	14	18.64%	\$0.00	\$4,200.00	61.1	
2575.505	DISK ANCHORING	ACRE	75.1	\$20.00	\$1,502.00	14.0	0.0	0.0	14	18.64%	\$0.00	\$280.00	61.1	
2575.508	SEED MIXTURE, 25-131	POUND	2332	\$4.00	\$9,328.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	2332.0	
2575.508	SEED MIXTURE, 25-141	POUND	4388	\$4.00	\$17,552.00	826.0	0.0	0.0	826	18.82%	\$0.00	\$3,304.00	3562.0	
2575.508	HYDRAULIC MULCH MATRIX	POUND	22260	\$0.85	\$18,921.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	22260.0	
2575.509	MULCH MATERIAL TYPE 1	TON	150.2	\$80.00	\$12,016.00	28.0	0.0	0.0	28	18.64%	\$0.00	\$2,240.00	122.2	
2575.523	WATER	M GAL	223	\$50.00	\$11,150.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	223.0	
2575.604	ROLLED EROSION CONTROL PREVENTION CATEGORY 25	SQ YD	5778	\$1.69	\$9,764.82	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	5778.0	
2582.503	6" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	1156	\$3.20	\$3,699.20	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	1156.0	
2582.503	4" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	265	\$2.00	\$530.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	265.0	
2582.503	4" BROKEN LINE MULTI COMP GR IN (WR)	LIN FT	115.6	\$2.00	\$231.20	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	115.6	
2722.549	8" PVC SDR-26 FORCE MAIN	LIN FT	2408	\$28.00	\$67,424.00	1,966.0	0.0	0.0	1,966.00	81.64%	\$0.00	\$55,048.00	442.0	
2722.549	8" FORCE MAIN DIRECTIONAL BORE (FUSIBLE PVC C900)	LIN FT	344	\$100.00	\$34,400.00	344.0	0.0	0.0	344	100.00%	\$0.00	\$34,400.00	0.0	
2722.549	20" PVC FORCE MAIN	LIN FT	2437	\$74.00	\$180,338.00	335.0	0.0	0.0	335	13.75%	\$0.00	\$24,790.00	2102.0	
2722.554	DUCTILE IRON FITTINGS (8" & 20")	POUND	2623	\$6.50	\$17,049.50	1652.0	0.0	0.0	1,652.00	62.98%	\$0.00	\$10,738.00	971.0	
2722.563	AIR RELEASE MANHOLE	EACH	1	\$15,250.00	\$15,250.00	0.0	0.0	0.0	0	0.00%	\$0.00	\$0.00	1.0	



Contractor's Application and Certificate for Payment

For (contract):		Thief River Falls Westside Flood Damage Reduction Project				Contractor:		R.J. Zavoral & Sons, Inc.					
Application No.:		5				Application Period:		6/18/2020 - 7/2/2020					
A					B	C	D	E	F	G	H	I	J
Item					Work Completed			Materials Presently Stored (not in C or D)	Total Completed and Stored To Date (C+D+E)	Percent Complete To Date (%)	Total Cost This Period	Total Cost Complete to Date	Balance to Finish (A - F)
Item No.	Description	Unit	Contract Quantity	Contract Unit Price	Scheduled Value	From Previous Applications	This Period						
CO-1	SALES TAX REIMBURSEMENT	LS	1	\$173,944.09	\$173,944.09	0.14	0.00	0.0	0.14	14.00%	\$0.00	\$24,352.17	0.86
CO-2	STORM SEWER MANHOLE VALUE ENGINEERING	LS	1	\$27,577.00	\$27,577.00	0.0	0.00	0.0	0	0.00%	\$0.00	\$0.00	1.00
CO-3	30" STEEL CASING PIPE - JACK INSTALLED	LIN FT	18	\$678.00	\$12,204.00	0.0	18.0	0.0	18	100.00%	\$12,204.00	\$12,204.00	0.00
CO-4	30" STEEL CASING PIPE - JACK INSTALLED	LIN FT	23	\$678.00	\$15,594.00	0.0	23.0	0.0	23	100.00%	\$15,594.00	\$15,594.00	0.00



Contractor's Application and Certificate for Payment

For (contract):		Thief River Falls Westside Flood Damage Reduction Project - MnDOT Trunk Highway No. 1 (SP 5701-33)					Contractor:		R.J. Zavoral & Sons, Inc.					
Application No.:		5					Application Period:		6/18/2020 - 7/2/2020					
A			B		C		D	E		F	G	H	I	J
Item					Work Completed		Materials Presently Stored (not in C or D)		Total Completed and Stored To Date (C+D+E)	Percent Complete To Date (%)	Total Cost This Period	Total Cost Complete to Date	Balance to Finish (A - F)	
Item No.	Description	Unit	Contract Quantity	Contract Unit Price	Scheduled Value	From Previous Applications	This Period							
2021.501	MOBILIZATION	LUMP SUM	1	\$25,000.00	\$25,000.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	1.0	
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	112	\$2.50	\$280.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	112.0	
2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	706	\$9.00	\$6,354.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	706.0	
2105.504	GEOTEXTILE FABRIC TYPE 5	SQ YD	826	\$1.55	\$1,280.30	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	826.0	
2118.509	AGGREGATE SURFACING CLASS 1	TON	75	\$18.00	\$1,350.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	75.0	
2211.509	AGGREGATE BASE, CLASS 5	TON	236	\$11.00	\$2,596.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	236.0	
2232.603	MILLED RUMBLE STRIPS - INTERMITTENT	LIN FT	454	\$5.50	\$2,497.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	454.0	
2360.509	TYPE SP 12.5 WEARING COURSE MIX (3,C)	TON	308	\$100.00	\$30,800.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	308.0	
2412.502	12X6 PRECAST CONCRETE BOX CULVERT END SECTION	EACH	2	\$12,950.00	\$25,900.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	2.0	
2412.503	12X6 PRECAST CONCRETE BOX CULVERT	LIN FT	98	\$1,070.00	\$104,860.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	98.0	
2451.507	FINE AGGREGATE BEDDING (CV)	CU YD	368	\$15.00	\$5,520.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	368.0	
2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	220	\$2.15	\$473.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	220.0	
2511.607	RANDOM RIPRAP - SPECIAL	CU YD	85	\$105.00	\$8,925.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	85.0	
2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$11,500.00	\$11,500.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	1.0	
2563.601	DETOUR SIGNING	LUMP SUM	1	\$7,000.00	\$7,000.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	1.0	
2563.602	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2	\$3,900.00	\$7,800.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	2.0	
2573.503	SEDIMENT CONTROL LOG TYPE WOOD CHIP	LIN FT	262	\$6.00	\$1,572.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	262.0	
2574.508	FERTILIZER TYPE 3	POUND	50	\$0.50	\$25.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	50.0	
2575.505	SEEDING	ACRE	0.3	\$500.00	\$150.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	0.3	
2575.505	DISK ANCHORING	ACRE	0.3	\$50.00	\$15.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	0.3	
2575.508	SEED MIXTURE, 25-141	POUND	15	\$5.00	\$75.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	15.0	
2575.509	MULCH MATERIAL TYPE 1	TON	0.5	\$200.00	\$100.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	0.5	
2575.604	ROLLED EROSION CONTROL PREVENTION CATEGORY 25	SQ YD	1392	\$1.75	\$2,436.00	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	1392.0	
2582.503	6" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	454	\$3.20	\$1,452.80	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	454.0	
2582.503	4" BROKEN LINE MULTI COMP GR IN (WR)	LIN FT	227	\$0.30	\$68.10	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	227.0	
CO-1	SALES TAX REIMBURSEMENT	LS	1	\$173,944.09	\$173,944.09	0.0	0	0.0	0	0.00%	\$0.00	\$0.00	0.00	

Tammy Audette

From: Myron Jesme
Sent: Wednesday, July 1, 2020 12:12 PM
To: Tammy Audette
Subject: FW: sound system for Friday July 24th 9:00 am
Attachments: RLWatershed rental 1.xls; RLWatershed rental 2.xls

fyi

Myron Jesme
Administrator - Red Lake Watershed District
1000 Pennington Avenue South
Thief River Falls, MN. 56701
myron.jesme@redlakewatershed.org
D : 218-681-5800
C : 218-686-9692

From: JD Kezar <kezarmusic@mncable.net>
Sent: Tuesday, June 30, 2020 4:14 PM
To: Myron Jesme <Myron.Jesme@redlakewatershed.org>
Subject: sound system for Friday July 24th 9:00 am

Hello Myron,

I've attached to rental proposals for the July 24th meeting. System one I would set up and operated. Two wireless handheld microphones. One for speakers running the meeting. The other a roving mic for attendees questions. Works well to have one person walk the mic to the ones with question. Making sure to hold close to the person so as to hear well. I will operated the volume so will try to make necessary adjustments.

The second rental proposal would be our rental passport in which one picks up here at Kezar Music. We will give a quick tutorial and run it yourselves. This one is rented out often and would work well also.

Call with questions.

Thank-you,

JD Kezar

Kezar Music Company
315 Duluth Ave. North
Thief River Falls, MN 56701
(218) 681-2148
cell: (218) 688-1141

Kezar Music
315 Duluth Ave N
Thief River Falls, Mn. 56701
218-681-2148 e-mail kezarmusic@mncable.net

J D Kezar

Quotation

Date: June 30th 2020

TO: Myron Jesme
Name Red Lake Watershed
Address 1000 Pennington Ave
City, State, Zip Thief River Falls, Mn.
Phone 218-681-5800
e mail myronjesme@redlakewatershed.org

ITEM NO.	QTY	DESCRIPTION	UNIT PRICE	TOTAL
SRX812	2.00	JBL powered speakers		\$80.00
WX3000	2.00	CAD Hand Held wireless microphones		\$60.00
SM58	1.00	Shure wired microphone		\$10.00
Stands	2.00	speaker stands for JBL		\$10.00
Stands	2.00	microphone stands w/ clips		\$10.00
UI24	1.00	soundcraft digital mixer		\$60.00
labor	1.00	setup/teardown/operate system		\$100.00
	0.00		total	
	0.00			\$330.00
	0.00			

Kezar Music
 315 Duluth Ave N
 Thief River Falls, Mn. 56701
 218-681-2148 e-mail kezarmusic@mncable.net

J D Kezar

Quotation

Date: June 30th 2020

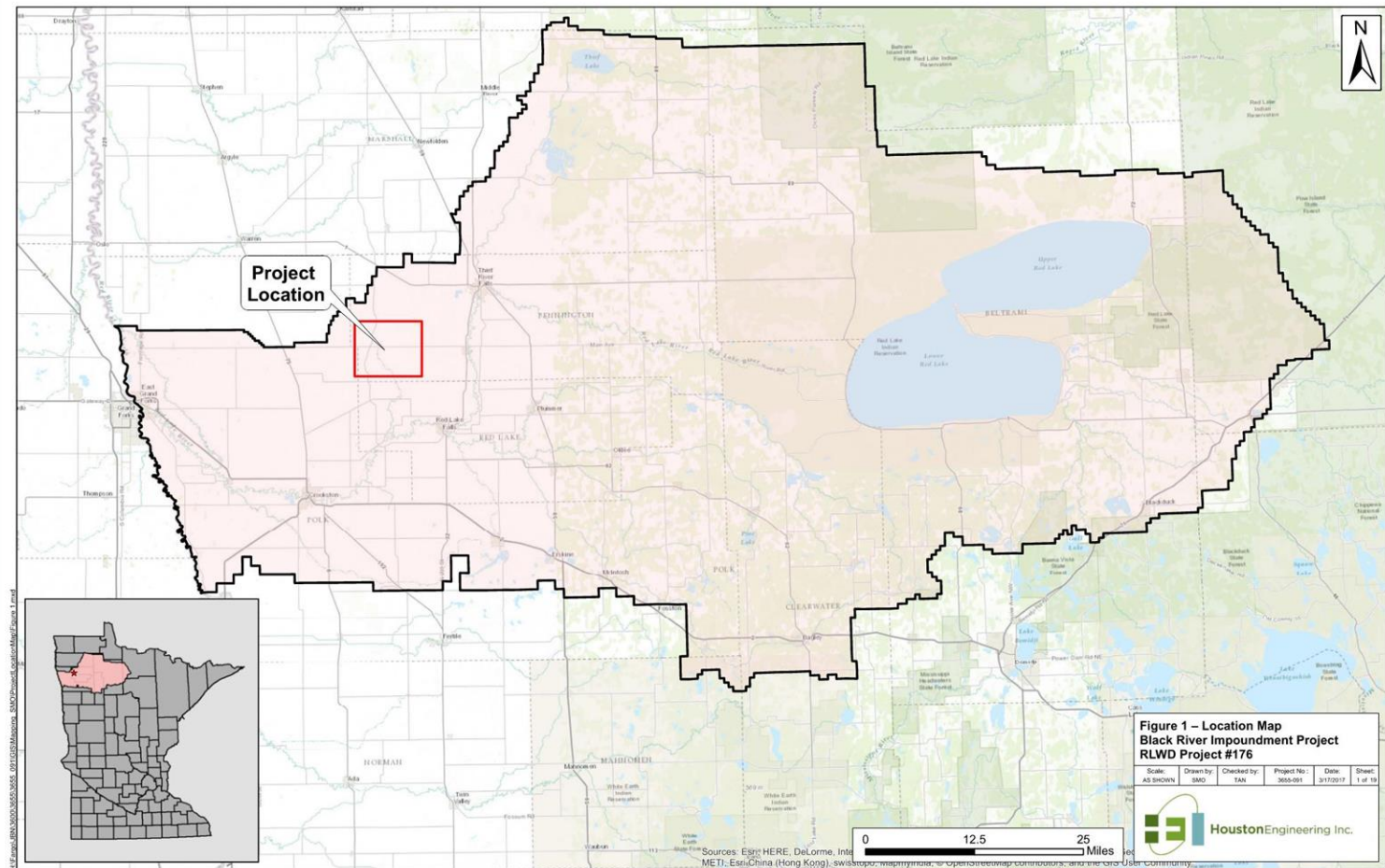
TO: Myron Jesme
Name Red Lake Watershed
Address 1000 Pennington Ave
City, State, Zip Thief River Falls, Mn.
Phone 218-681-5800
e mail myronjesme@redlakewatershed.org

ITEM NO.	QTY	DESCRIPTION	UNIT PRICE	TOTAL
Passport	1.00	Fender portable system		\$60.00
Stands	2.00	Speaker stands for above		\$10.00
SM58	2.00	wired microphones		\$20.00
Stands	2.00	microphone stands w/mic clips		\$10.00
accessories	1.00	necessary cables, cords to operate system renter picks up at KMC. Given a tutorial and operates/ returns to KMC		n/c
		Total		\$100.00

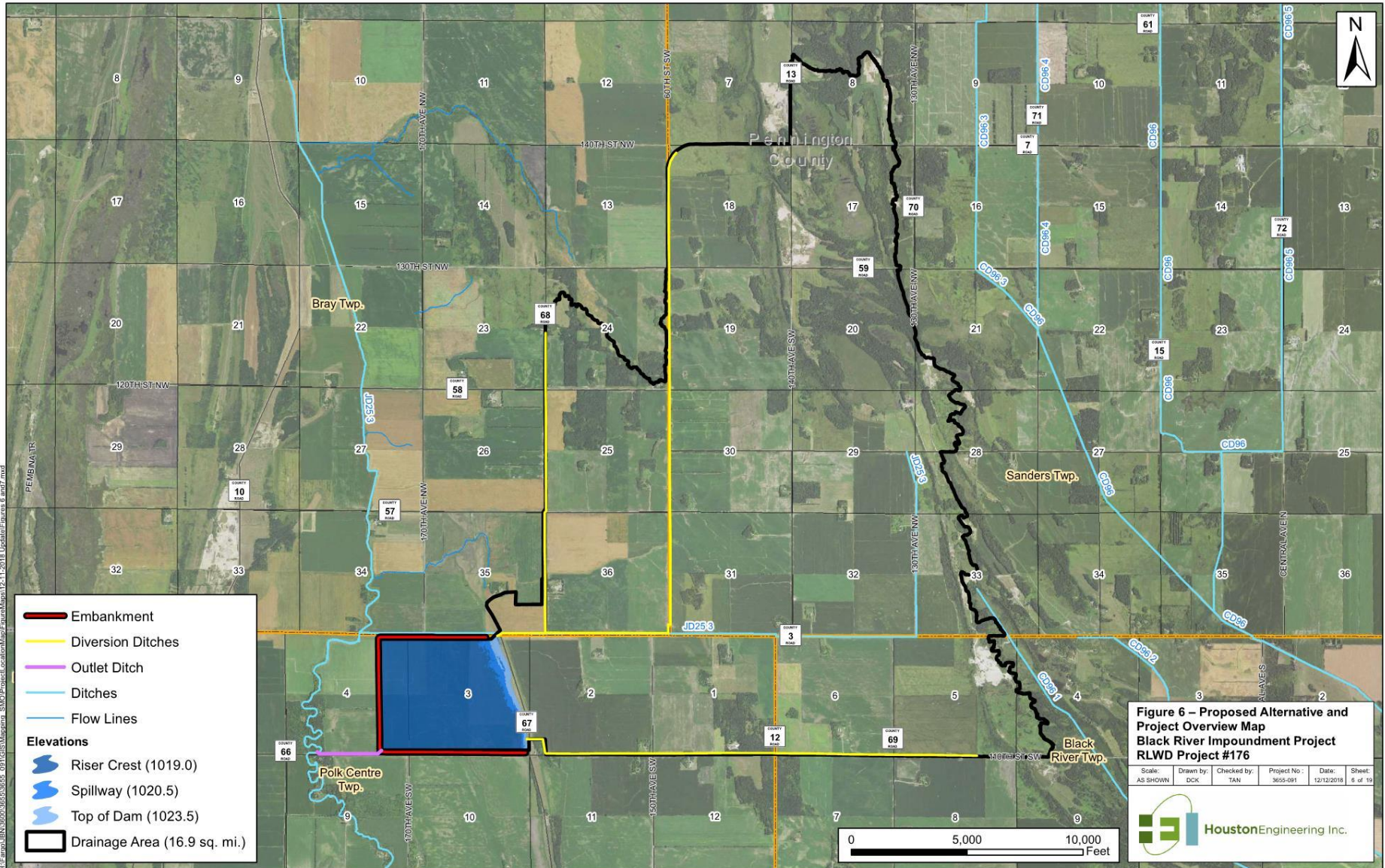
BLACK RIVER IMPOUNDMENT PROJECT – RLWD PROJECT #176

STEP 3 SUBMITTAL RRWMB

Red Lake Watershed District
July 21, 2020



PROJECT AREA MAP



H:\Projects\176\176-000\3655\3655_091\GIS\Mapdata_SMO\ProjectLocationMap\FinalMap12-11-2016\Update\Figures 6 and 7.mxd

Project Design

Embankment:

Top of Dam Elevation	1023.5
Top Width	12 ft.
Interior Side Slopes	5:1
Exterior Side Slopes	4:1

Spillways:

Principle Spillway: 60" RCP with Two-Way Reinforced Concrete Riser
Auxiliary Spillway: 500-foot excavated earthen spillway

Storage:

Gated to Elev. 1019.0	3,162 A-F	(3.5 inches)
Ungated to Elev. 1020.5	902 A-F	(1.0 inches)
Total Storage Gated & Ungated	4,064 A-F	(4.5 inches)

Diversion Ditches:

10-Year Ditch Design	
Bottom Width	10 ft.
Side Slopes	4:1

Impoundment Hydraulics Summary

Table 2: Hydraulic Summary

Storm Event	Rainfall (in.)	Inflow (cfs)	Reservoir Outflow (cfs)	Percent Reduction (%)	Max. Pool Elevation (ft)	Max. Storage Volume (ac-ft)	Max. Pool Depth (ft)	Pool Surface Area (acre)	Starting Reservoir Storage	Gate Position
24-hour Storm Simulations										
2YR-24hr	2.45	141	0	100%	1012.36	307	3.4	233	Empty	Closed
5YR-24hr	3.11	330	0	100%	1013.34	585	4.3	326	Empty	Closed
10YR-24hr	3.71	560	0	100%	1014.21	891	5.2	375	Empty	Closed
25YR-24hr	4.62	919	0	100%	1015.52	1417	6.5	426	Empty	Closed
50YR-24hr	5.38	1119	0	100%	1016.61	1906	7.6	471	Empty	Closed
100YR-24hr	6.2	1338	0	100%	1017.69	2440	8.7	519	Empty	Closed
ASH-24hr	8.66	1553	1128	27%	1021.40	4623	12.4	628	@Riser	Closed
FBH-24hr	14.33	1585	1291	19%	1021.51	4692	12.5	629	@Riser	Closed
4-day Storm Simulations										
2YR-4day	3.22	137	0	100%	1012.77	412	3.8	275	Empty	Closed
5YR-4day	4.02	323	0	100%	1013.83	752	4.8	356	Empty	Closed
10YR-4day	4.75	564	0	100%	1014.79	1116	5.8	400	Empty	Closed
25YR-4day	5.83	934	0	100%	1016.23	1730	7.2	454	Empty	Closed
50YR-4day	6.74	1137	0	100%	1017.41	2296	8.4	506	Empty	Closed
100YR-4day	7.70	1358	0	100%	1018.57	2915	9.6	564	Empty	Closed
10-day Storm Simulations										
2YR-10day	4.22	70	0	100%	1012.61	369	3.6	259	Empty	Closed
5YR-10day	5.05	169	0	100%	1013.54	650	4.5	341	Empty	Closed
10YR-10day	5.8	307	0	100%	1014.38	955	5.4	383	Empty	Closed
25YR-10day	6.91	581	0	100%	1015.65	1474	6.6	431	Empty	Closed
50YR-10day	7.84	581	0	100%	1016.73	1963	7.7	476	Empty	Closed
100YR-10day	8.83	1054	0	100%	1017.85	2523	8.9	527	Empty	Closed
PSH-50YR-10day	7.77	828	200	76%	1020.38	3991	11.4	612	@Riser	Closed

Downstream Flood Reductions

Black River Peak Discharge Comparison Upstream of Confluence with Red Lake River

Frequency	24-Hour			4-Day			10-Day		
	Existing	With Project	% Reduction	Existing	With Project	% Reduction	Existing	With Project	% Reduction
2-yr	656	656	0%	656	656	0%	656	656	0%
5-yr	908	838	8%	1,025	944	8%	706	662	6%
10-yr	1,361	1,245	9%	1,516	1,388	8%	1,047	972	7%
25-yr	2,134	1,963	8%	2,312	2,136	8%	1,661	1,529	8%
50-yr	2,551	2,441	4%	2,740	2,579	6%	2,214	2,052	7%
100yr	3,033	2,844	6%	3,292	3,055	7%	2,602	2,482	5%

Frequency	24-Hour			4-Day			10-Day		
	Existing	With Project	% Reduction	Existing	With Project	% Reduction	Existing	With Project	% Reduction
2-yr	214	165	23%	242	187	22%	145	114	21%
5-yr	420	321	24%	450	346	23%	274	213	22%
10-yr	650	495	24%	684	524	23%	424	327	23%
25-yr	1,059	804	24%	1,098	838	24%	703	539	23%
50-yr	1,447	1,096	24%	1,491	1,135	24%	977	747	24%
100yr	1,896	1,434	24%	1,948	1,481	24%	1,306	997	24%

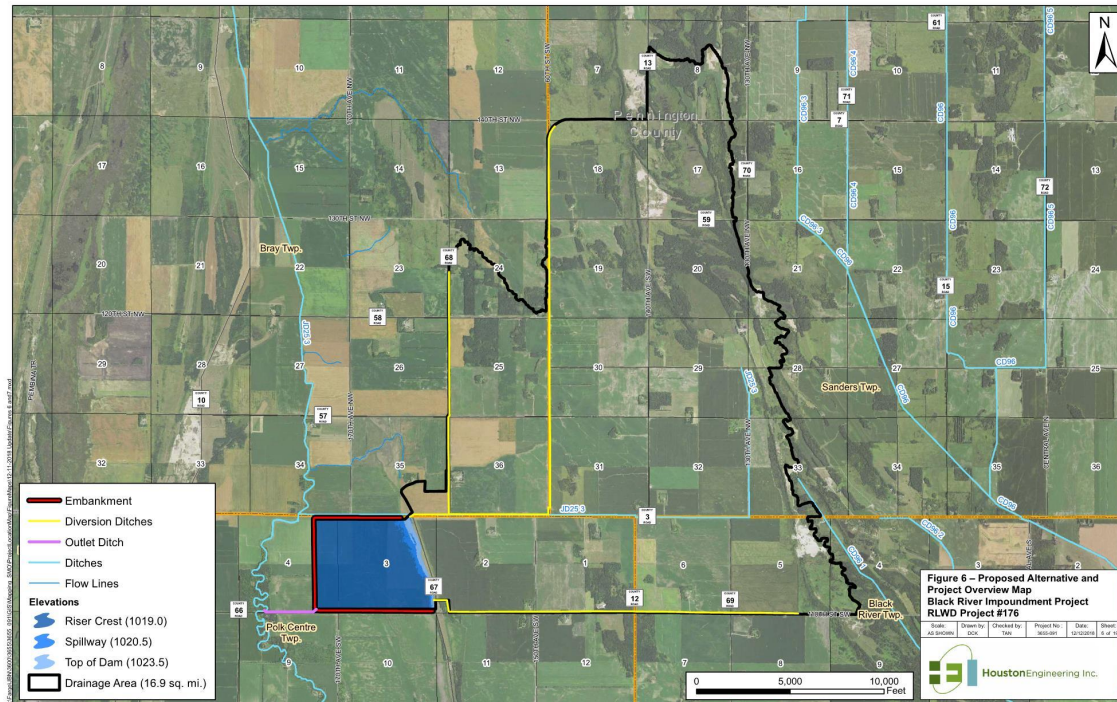


Black River Impoundment
Red Lake Watershed District



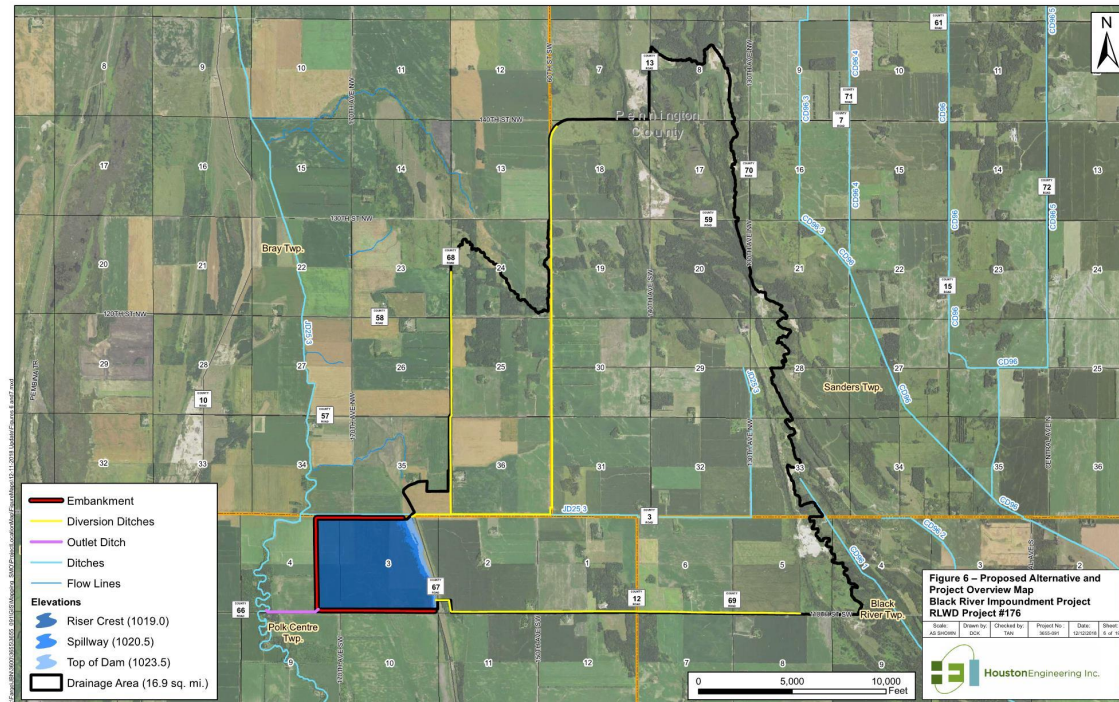
Updates Since Step 2 Submittal

- No Design Changes Altering Impoundment Storage Capacity, Levee Alignment, Cross Sections, or Levee Height
- Minor Changes to Diversion Ditch Spoil
- Total Project Drainage Area Including Impoundment Site (16.9 sq. mi.)
- Engineer's Report was Finalized Including Geotechnical Report, Archaeological Reports, and Operation and Maintenance Plan
- Final Plans & Specifications Complete
- All Project Permits Approved



Cost Increase Since Step 2 Submittal

- Cost Increased from \$7,100,000 to \$8,883,000
- Final design and geotechnical analysis resulted in increased material quantities
- Step 2 bid prices are 2 years old, inflation and bid prices trending up
- Environmental Engineering efforts required for final wetland permitting significantly higher than anticipated



Opinion of Probable Cost

Opinion of Probable Cost Black River Impoundment Project - RLWD Project #176 Red Lake Watershed District

LAND ACQUISITION

Impoundment Area Purchasing	477	acre
Impoundment Area Flowage Easement	249	acre
Proposed Ditch Perm Right-of-Way	87	acre
Proposed Ditch Temp Right-of-Way	76	acre

TOTAL LAND ACQUISITION = \$2,063,800

CONSTRUCTION

Mobilization	\$180,000
Embankment	\$2,213,007
Common Excavation (Proposed Ditches)	\$1,031,330
Principle Spillway Outlet Structure	\$321,750
Culverts & Riprap	\$1,069,748
Seeding	\$188,310
Other	\$206,532

TOTAL CONSTRUCTION = \$5,210,680

MISCELLANEOUS AND CONTINGENCIES (5%) \$260,530

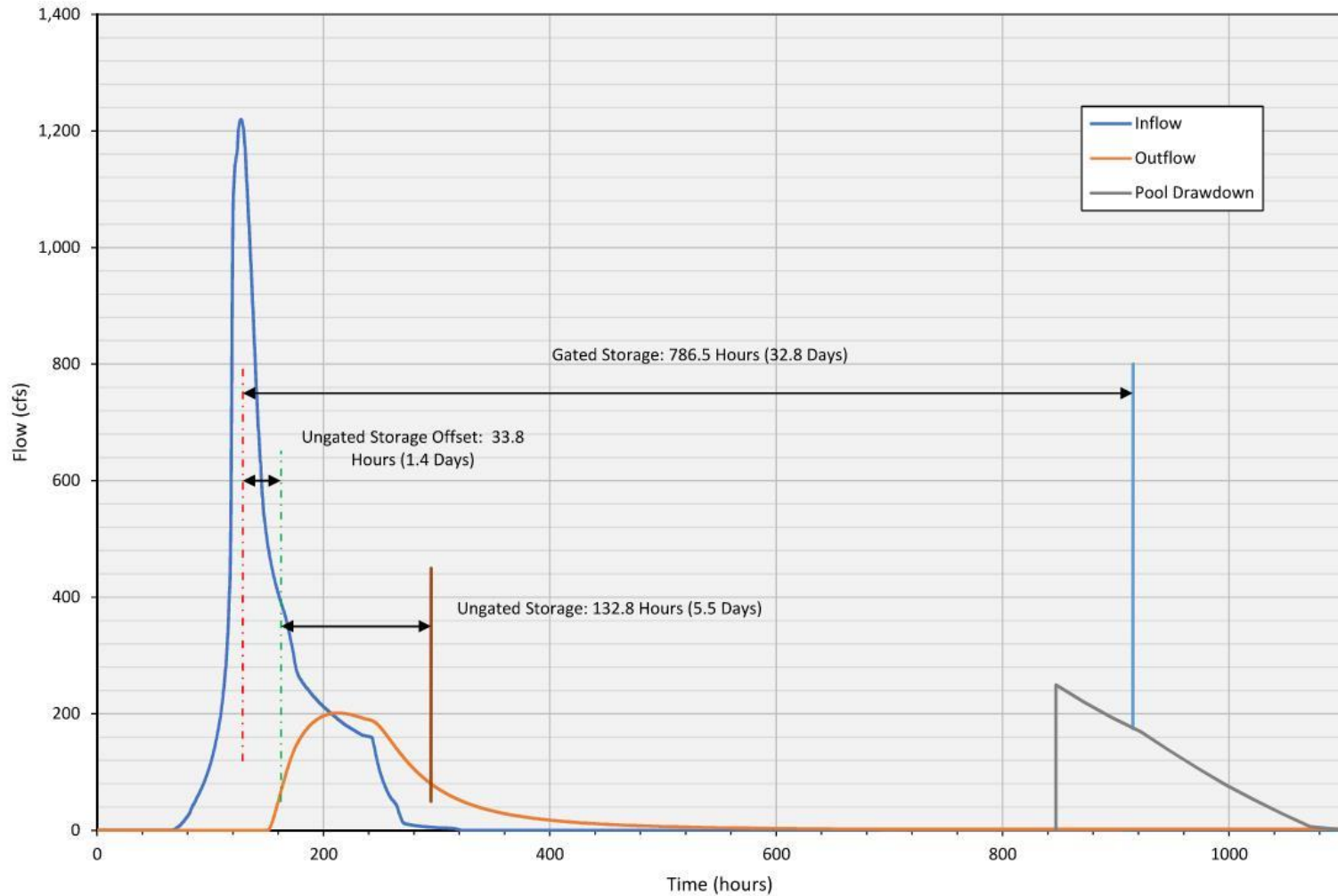
**ENGINEERING, ENVIRONMENTAL, ADMINISTRATION,
LEGAL & PROJECT DEVELOPMENT \$1,127,556**

UTILITIES \$220,000

TOTAL OPINION OF PROBABLE COSTS = \$8,883,000

Star Value Hydrograph

Black River Impoundment
Star Value Hydrograph 100-year 10-day Runoff Event



STAR VALUE STEP 2

- Star Value = 90,554
- 2000 RRWMB Cost/Star Value = \$18.38
- 2017 RRWMB Cost/Star Value = \$26.14
- RRWMB Cost = \$2,366,667
- RLWD Cost = \$1,183,333
- Assumed 50% Cost Share from State FDR

Figure 5

Black River starvalue 2017-11-10 Additional Gated

Black River Imp

Print Date: 11/17/2017

RED RIVER WATERSHED MANAGEMENT BOARD
PRIORITIZATION WORKSHEET
for
FLOOD DAMAGE REDUCTION PROJECTS

This worksheet shall be used by Member Watershed Districts in determining the initial feasibility of pursuing a potential site for project development and shall provide a completed form for the proposed project's Step II application. The RRWMB shall utilize this form in determining the priority for funding of each proposed project. In addition, the RRWMB and the sponsoring Watershed District shall utilize the Technical Advisory Committee (TAC) recommendation which will include the established "Star Value Method" in making project comparisons. The final ranking of each project may be changed periodically based on the ranking of newly proposed projects. When a proposed project has received Step III approval, the ranking score shall be final. Individual component issues of each project are to be ranked by using both technical and established policy consideration as adopted in the "Governing Documents" publication.

This document is divided into five separate sections. Each section shall be evaluated individually as deemed appropriate for each proposed flood damage reduction project and collectively in determining the final prioritization ranking for funding from the RRWMB.

BLACK RIVER IMPOUNDMENT PROJECT - RLWD

SECTION I

Choose the description option that best describes the proposed project in each of the following categories and place that ranking number in the blank provided. Then add the rankings for issues A through E to provide the total score.

The ranking score for this project in Section I is: 92.

A. DOWNSTREAM PEAK-FLOW TIMING ANALYSIS

- The proposed project will not reduce downstream peak flows on the tributary stream.
- The proposed project will reduce downstream peak flows on the tributary stream.
- The proposed project will reduce peak flows on the Red River.
- The proposed project will reduce peak flows at that point on the Red River that includes the flow contribution from all Minnesota tributaries.

Number 20 best describes this proposed project.

Star Value Computation Worksheet				Red River Watershed Management Board		Enter values only in the cells that have been shaded. All other values are computed from these values.
Project Name:	Black River Impoundment	Step 2				Enter Project Name. (Status eg Step)
Watershed District:	Red Lake					Enter Name of Watershed District.
Project Location:	Polk Centre Township					Enter Project Location.
Estimated Total Cost:	\$ 7,100,000					Enter the estimated project costs.
RRWMB Cost:	\$ 2,366,667	CPI (1984=100)	CPI (2017=100)			
Year of Estimate:	2017	244.82	100.00			
Adj. to Summary All Base Yr:	2000	172.20	70.34			
Drainage Area (square miles)	16.8	Enter the drainage area in square miles used to compute the runoff volume.				
Storage Volume(s):	Acre-feet	Inches	Adj. Storage (ac-ft)	The adjusted storage is total storage is multiplied by the Volume Adjustment Factor which can reduce the storage. Storage is removed 1st from the ungated storage, 2nd from the gated (2) storage, 3rd from the gated (1) storage and last from the drawdown storage.		
Drawdown	0	0.00	0			
Gated (1)	3,162	3.53	3,162			
Gated (2)	0	0.00	0			
Ungated (to emergency spillway)	902	1.01	740			
Total Storage (8.1 inches Max.)	4,064	4.54	3,902			
Volume Adjustment Factor	0.96	162				
Est. of Ungated Detention Time	Volume (ac-ft)	Elevation (ft)	Discharge (cfs)	Note: this section is provided for reference only. The values are not used in the calculations.		
Emergency Spillway	902	0	0			
10% of Ungated	90	0	0			
90% of Ungated Volume	812					
Average Discharge (cfs)			0			
Discharge in AF per day			0			
Average Detention Time (days)			not applicable			
Detention Time:						
Gated (1) from Operation plan	32.5	Enter gated detention time for the 1st category of gated storage.				
Gated (2) from Operation plan	0.0	Enter gated detention time for the 2nd category of gated storage.				
UnGated (from Operation Plan or above)	5.8	Enter ungated detention time. (Center of Mass to Center of mass)				
Ungated Storage Offset	1.1	Offset of center of mass of inflow hydrograph to center of mass of storage.				
Average Time Interval between Routed Site Peak and Red River Peak (days). (Negative is ahead of peak, positive is after peak)	1.0	Existing Relative T	0.37	Existing Relative T is based on the average time interval between the routed site peak flows and the RRN.		
Calculation of Star Value	Routed Relative T	Adj. Storage (Ac-ft)	Star Value			
Drawdown Storage (30 - 0.43)	29.57	0	0	Routed relative T is the value of the detention times computed using the regression equations given in figure 3. The Existing Relative T is subtracted from the project Relative T.		
Gated (1) Storage (27.64 - 0.43)	27.21	3,162	86,032			
Gated (2) Storage (0.43 - 0.43)	0.00	0	0			
Ungated Storage (6.55 - 0.43)	6.11	740	4,522			
Star Value		3,902	90,554	STAR VALUE		
		2017 dollars	2000 dollars			
Total Cost per Star Value	\$ 78.41	\$ 55.15	Total Cost divided by STAR Value			
RRWMB Cost per Star Value	\$ 26.14	\$ 18.38	RRWMB Cost divided by STAR Value			
Prepared By:	Tony Nordby (Houston Engineering, Inc.)		Enter name of preparer			
Source of Data:	Step 2 Submittal		Enter source data.			
Frequency/Date of Preparation:	100yr 10day	16-Nov-17	Enter frequency and date.			

STAR VALUE STEP 3

- Star Value = 90,816
- 2000 RRWMB Cost/Star Value = \$43.61
- 2020 RRWMB Cost/Star Value = \$65.21
- RRWMB Cost = \$5,922,000
- RLWD Cost = \$2,961,000
- No State FDR or Federal Cost Share
- RLWD Submitted for \$3M RCPP AFA Grant

Black River starvalue 6-25-20

Black River Imp

Print Date: 6/26/2020

Star Value Computation Worksheet				Red River Watershed Management Board		Enter values only in the cells that have been shaded. All other values are computed from these values.
Project Name:	Black River Imoundment	Step 3	Enter Project Name. (Status eg Step)			
Watershed District:	Red Lake		Enter Name of Watershed District.			
Project Location:	Polk Centre Township		Enter Project Location.			
Estimated Total Cost:	\$ 8,883,000	Enter the estimated project costs.				
RRWMB Cost:	\$ 5,922,000	CPI (1984=100)	CPI (2020=100)			
Year of Estimate:	2020	257.51	100.00	Ratios of the Consumer price index read from the CPI worksheet.		
Adj. to Summary All Base Yr:	2000	172.20	66.87			
Drainage Area (square miles)	16.9	Enter the drainage area in square miles used to compute the runoff volume.				
Storage Volume(s):	Acre-feet	Inches	Adj. Storage (ac-ft)	The adjusted storage is total storage is multiplied by the Volume Adjustment Factor which can reduce the storage. Storage is removed 1st from the ungated storage, 2nd from the gated (2) storage, 3rd from the gated (1) storage and last from the drawdown storage.		
Drawdown	0	0.00	0			
Gated (1)	3,162	3.51	3,162			
Gated (2)	0	0.00	0			
Ungated (to emergency spillway)	902	1.00	746			
Total Storage (8.1 inches Max.)	4,064	4.51	3,908			
Volume Adjustment Factor	0.96	156				
Est. of Ungated Detention Time	Volume (ac-ft)	Elevation (ft)	Discharge (cfs)	Note: this section is provided for reference only. The values are not used in the calculations.		
Emergency Spillway	902	0	0			
10% of Ungated	90	0	0			
90% of Ungated Volume	812					
	Average Discharge (cfs)		0			
	Discharge in AF per day		0			
	Average Detention Time (days)		not applicable			
Detention Time:						
Gated (1) from Operation plan	32.8	Enter gated detention time for the 1st category of gated storage.				
Gated (2) from Operation plan	0.0	Enter gated detention time for the 2nd category of gated storage.				
UnGated (from Operation Plan or above)	5.5	Enter ungated detention time. (Center of Mass to Center of mass)				
Ungated Storage Offset	1.4	Offset of center of mass of inflow hydrograph to center of mass of storage.				
Average Time Interval between Routed Site Peak and Red River Peak (days). (Negative is ahead of peak, positive is after peak)	1.0	Existing Relative T	0.37	Existing Relative T is based on the average time interval between the routed site peak flows and the RRN.		
Calculation of Star Value	Routed Relative T	Adj. Storage (Ac-ft)	Star Value			
Drawdown Storage (30 - 0.43)	29.57	0	0	Routed relative T is the value of the detention times computed using the regression equations given in figure 3. The Existing Relative T is subtracted from the project Relative T.		
Gated (1) Storage (27.71 - 0.43)	27.28	3,162	86,258			
Gated (2) Storage (0.43 - 0.43)	0.00	0	0			
Ungated) Storage (6.55 - 0.43)	6.11	746	4,558			
Star Value		3,908	90,816	STAR VALUE		
		2020 dollars	2000 dollars			
Total Cost per Star Value		\$ 97.81	\$ 65.41	Total Cost divided by STAR Value		
RRWMB Cost per Star Value		\$ 65.21	\$ 43.61	RRWMB Cost divided by STAR Value		
Prepared By:	Tony Nordby (Houston Engineering, Inc.)		Enter name of preparer			
Source of Data:	Step 3 Submittal		Enter source data			
Frequency/Date of Preparation:	100yr 10day		25-Jun-20		Enter frequency and date.	

RED RIVER WATERSHED MANAGEMENT BOARD
EVALUATION WORKSHEET
for
FLOOD DAMAGE REDUCTION PROJECTS

This worksheet shall be used by Member Watershed Districts in determining the initial feasibility of pursuing a potential site for project development and the District shall provide a completed worksheet for the proposed project's Step I application and a revised worksheet for Step II and Step III applications. The RRWMB shall utilize this form in determining the funding of each proposed project. In addition, the RRWMB and the sponsoring Watershed District shall utilize the Technical Advisory Committee (TAC) recommendation which will include the established "Star Value Method" in making project comparisons. When a proposed project has received Step III approval, the score shall be final. Individual component issues of each project are to be evaluated by using both technical and established policy considerations as adopted in the "Governing Documents" publication.

This document is divided into four separate sections. Each section shall be evaluated individually as deemed appropriate for each proposed flood damage reduction project and collectively in determining the final evaluation for funding from the RRWMB.

SECTION I - ENVIRONMENTAL ENHANCEMENTS ACCOMPLISHED

A. This proposed project has addressed the following natural resource goals as identified in the "Red River Basin Flood Damage Reduction Work Group Agreement" and incorporated the appropriate goal issues into the final engineer's report. Each goal, if incorporated into the final design, shall have an equal value of 2.5. The accumulative value of each goal accomplished in this project shall be the total score for this section.

This section shall be completed by the Watershed District Project Team.

Check each goal that has been incorporated into this project with an X.

- 1. Manage streams for natural characteristics.
- 2. Enhance riparian and/or in-stream habitat.
- 3. Provide diversity of habitats for stable populations to thrive over a long period.



Questions/Discussion

STAR VALUE STEP 3

- Star Value = 90,816
- 2000 RRWMB Cost/Star Value = \$28.88
- 2020 RRWMB Cost/Star Value = \$43.19
- RRWMB Cost = \$3,922,000
- RLWD Cost = \$1,961,000
- **WITH FEDERAL FUNDING OF \$3,000,000**

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This section shall be completed by the Watershed District Project Team.

Check each goal that has been incorporated into this project with an X.

- X_1. Manage streams for natural characteristics.
- X_2. Enhance riparian and/or in-stream habitat.
- X_3. Provide diversity of habitats for stable populations to thrive over a long period.

Star Value Computation Worksheet Red River Watershed Management Board				Enter values only in the cells that have been shaded. All other values are computed from these values.
Project Name:	Black River Imoundment	Step 3	Enter Project Name. (Status eg Step)	
Watershed District:	Red Lake	Enter Name of Watershed District.		
Project Location:	Polk Centre Township	Enter Project Location.		
Estimated Total Cost:	\$ 8,883,000	Enter the estimated project costs.		
RRWMB Cost:	\$ 3,922,000	CPI (1984=100)	CPI (2020=100)	
Year of Estimate:	2020	257.51	100.00	Ratios of the Consumer price index read from the CPI worksheet.
Adj. to Summary All Base Yr:	2000	172.20	66.87	
Drainage Area (square miles)	16.9	Enter the drainage area in square miles used to compute the runoff volume.		
Storage Volume(s):	Acre-feet	Inches	Adj. Storage (ac-ft)	The adjusted storage is total storage is multiplied by the Volume Adjustment Factor which can reduce the storage. Storage is removed 1st from the ungated storage, 2nd from the gated (2) storage, 3rd from the gated (1) storage and last from the drawdown storage.
Drawdown	0	0.00	0	
Gated (1)	3,162	3.51	3,162	
Gated (2)	0	0.00	0	
Ungated (to emergency spillway)	902	1.00	746	
Total Storage (8.1 inches Max.)	4,064	4.51	3,908	
Volume Adjustment Factor	0.96	156		
Est. of Ungated Detention Time	Volume (ac-ft)	Elevation (ft)	Discharge (cfs)	Note: this section is provided for reference only. The values are not used in the calculations.
Emergency Spillway	902	0	0	
10% of Ungated	90	0	0	
90% of Ungated Volume	812			
	Average Discharge (cfs)		0	
	Discharge in AF per day		0	
	Average Detention Time (days)	not applicable		
Detention Time:				
Gated (1) from Operation plan	32.8	Enter gated detention time for the 1st category of gated storage.		
Gated (2) from Operation plan	0.0	Enter gated detention time for the 2nd category of gated storage.		
UnGated (from Operation Plan or above)	5.5	Enter ungated detention time. (Center of Mass to Center of mass)		
Ungated Storage Offset	1.4	Offset of center of mass of inflow hydrograph to center of mass of storage.		
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Gated (1) Storage (27.71 - 0.43)	27.28	3,162	86,258	
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Ungated Storage (6.55 - 0.43)	6.11	746	4,558	
Star Value		3,908	90,816	STAR VALUE
		2020 dollars	2000 dollars	
Total Cost per Star Value		\$ 97.81	\$ 65.41	Total Cost divided by STAR Value
RRWMB Cost per Star Value		\$ 43.19	\$ 28.88	RRWMB Cost divided by STAR Value
Prepared By:	Tony Nordby (Houston Engineering, Inc.)		Enter name of preparer	
Source of Data:	Step 3 Submittal		Enter source data	
Frequency/Date of Preparation:	100yr 10day	25-Jun-20	Enter frequency and date.	

RED RIVER WATERSHED MANAGEMENT BOARD
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This document is divided into four separate sections. Each section shall be evaluated individually as deemed appropriate for each proposed flood damage reduction project and collectively in determining the final evaluation for funding from the RRWMB.

SECTION I - ENVIRONMENTAL ENHANCEMENTS ACCOMPLISHED

- A. This proposed project has addressed the following natural resource goals as identified in the "Red River Basin Flood Damage Reduction Work Group Agreement" and incorporated the appropriate goal issues into the final engineer's report. Each goal, if incorporated into the final design, shall have an equal value of 2.5. The accumulative value of each goal accomplished in this project shall be the total score for this section.

This section shall be completed by the Watershed District Project Team.

Check each goal that has been incorporated into this project with an X.

1. Manage streams for natural characteristics.
 2. Enhance riparian and/or in-stream habitat.
 3. Provide diversity of habitats for stable populations to thrive over a long period.

- 4. Provide connected, integrated habitat including compatible adjacent land uses.
- 5. Enhance or provide seasonal flow regimes in streams for water supply, water quality, recreation, and support biotic communities.
- 6. Provide recreational opportunities.
- 7. Improve water quality.
- 8. Protect water quality.
- 9. Manage lakes for natural characteristics.

The total score for this category is 17.5.

The recommended minimum score for this category is 10.

B. WATERSHED DISTRICT'S PROJECT TEAM RECOMMENDATION

The Watershed District's Project Team has fully processed the proposed project through problem identification, alternative evaluation and selection and recommends the following:

- 0. The proposed project is not a significant contribution to flood damage reduction.
- 7. The proposed project will provide significant flood damage reduction, but a different alternative should be given further consideration.
- 14. The proposed project is significant but immediate implementation is not a high priority.
- 20. The proposed project is very significant and should be implemented at the earliest possible date.

Number 20 best describes the Project Team recommendation.

The recommended minimum score for this category is 14.

SECTION II - TECHNICAL ADVISORY COMMITTEE RECOMMENDATION

The TAC recommendation shall include the utilization of the "Star Value Method" to determine the RRWMB cost of the storage capability of the proposed project. In addition, the TAC shall provide a written technical narrative providing recommendations and suggestions for changes that would enhance the proposed project and/or an evaluation of the merits of the proposed project in fulfilling the flood damage reduction goals of the RRWMB.

A number of factors determine the effectiveness of a project in reducing flood flows on the Red River mainstem. When implementing individual projects, it is necessary to know how water from any given area will affect downstream flooding. Flooding along the Red River mainstem is substantially affected by runoff timing and volume from upstream areas. Will the peak runoff arrive ahead of, coincident with, or after downstream flood peaks? The design and operating goal should be to store water that would otherwise contribute to downstream flood peaks and to avoid causing damages during the subsequent release of the stored floodwater.

The Flood Damage Reduction Work Group's Technical Paper No. 11 has defined early, middle and late runoff areas within the basin relative to the downstream limit of the Red River Basin in Minnesota at the U.S./Canada border. In relation to maximizing downstream benefits, impoundments are most effectively located in the middle and late areas of the basin. Impoundments located in a late area should be designed to store the early water on the rising limb of the local hydrograph to help reduce mainstem peak flows. Impoundments located in a middle area should be designed to store the peak of the local hydrograph. Impoundments located in the early areas of the basin may also be beneficial to the mainstem if they are designed to store the falling limb of the local hydrograph. This would usually require either a very high capacity storage site to store all the floodwater, or a high capacity gate that can pass the early flows and be closed to store the late flows.

The designed storage volume of a proposed project affects the potential effectiveness in reducing flood flows on the Red River mainstem. Basically, the more volume of floodwater a project can store, the easier it is to operate the structure to optimize storage timing and releases in relation to downstream flooding.

The detention time a project can achieve affects the potential effectiveness in reducing flood flows on the Red River mainstem. Flooding on the mainstem is typically a long-term event, up to and exceeding 30 days for spring flood events. It is imperative that a project be designed to have the capability to store flood volumes for long periods of time so that releases will not add to or prolong flooding downstream.

The Star Value Method is intended to provide a method for the RRWMB to assign a relative value to a floodwater detention project in achieving the goal of reducing peak mainstem flows. It incorporates the factors listed above, is based on parameters that can be determined during early stages of project development and can be kept current as the project moves through various funding steps. The method assigns a value for floodwater detention to a project based on the amount of floodwater storage the project provides and on the length of time it is stored. Storage is adjusted based on reducing the total storage a project provides in excess of 3.6 inches. The length of time the floodwater is stored is adjusted based on the timing of the project watershed's contribution to the Red River peak flow. The difference between the post-project condition and the pre-project condition is the basis for the calculations. The method strongly favors projects designed and operated to achieve relatively long detention times.

The value system utilized to determine the ranking score for potential projects is:

Score	RRWMB Dollar Cost/Star Value
6.....	>20
10.....	15.1 to 20
16.....	10.1 to 15
18.....	5 to 10
20.....	0 to 5

The Star Value Method ranking score for this category is: 6 (\$43.61)

The recommended minimum score for this category is 10.

A score lower than 10 in this section shall cause a Step III application to be returned to the applicant with the reason for rejection and a recommendation for correction before being submitted for funding at a future date.

The technical evaluation narrative and recommendation for this proposed project is as follows:

SECTION III - PROJECT FUNDING AGREEMENT CONDITIONS

This section is to be utilized by the Watershed District's Board of Managers as a guide in seeking the appropriate level of funding for a proposed project and by the RRWMB in determining the level of funding to be awarded. Utilize and fill out only one of the three prioritizing schedules (*) that best applies to the proposed project. Note: "Other interests" means funds received from sources other than RRWMB tax levy that are secured to reduce the RRWMB/WD total commitment.

* The proposed project provides flood damage reduction solely within a minor watershed of the District and funding will be requested from the RRWMB for:

2. Seventy-five percent of the total cost not funded by other interests.
3. Sixty-seven percent of the total cost not funded by other interests.
4. Fifty percent of the total cost not funded by other interests.
6. Twenty-five percent of the total cost not funded by other interests.

* The proposed project provides flood damage reduction downstream to the outlet into the Red River and funding will be requested from the RRWMB for:

10. Seventy-five percent of the total cost not funded by other interests.
12. Sixty-seven percent of the total cost not funded by other interests.
14. Fifty percent of the total cost not funded by other interests.

18. Twenty-five percent of the total cost not funded by other interests.

* The proposed project provides flood damage reduction downstream to the common outlet into the Red River from all contributing Minnesota watersheds and funding will be requested from the RRWMB for:

12. Seventy-five percent of the total cost not funded by other interests.

14. Sixty-seven percent of the total cost not funded by other interests.

16. Fifty percent of the total cost not funded by other interests.

20. Twenty-five percent of the total cost not funded by other interests.

Number 14 (67% 3rd Section) best describes this proposed project.

The recommended minimum score for this category is 14.

SECTION IV

Section IV is composed of three separate issue-orientated papers. Use form A when it is requested by the RRWMB. Use form B when applying for funding of programs or studies. Use form C for all applications for funding assistance.

A. QUALIFICATIONS FOR A FUNDING APPLICATION

*This section shall be utilized only by the RRWMB in the event that the adopted rating system in sections I-III has resulted in an equal comparative scoring value for projects proposed for funding. This section is not to be utilized by an applicant for funding.

Rationale shall be provided in letter form by the applicant, upon receiving a request from the RRWMB, stating the need for funding assistance which could be described as one of the following:

- The District Construction Account (1/2 RRWMB Levy) has adequate funds but the District feels it is entitled to funds because of prior annual levy allocations.
- The District Construction Account has adequate funds but they are needed for other project development costs. (Must list proposed projects and time-line for progressing.)

- The District Construction Account is minimal because of low annual levy receipts.
- The District Construction Account is minimal because of funding previously built flood damage reduction projects. (Must list projects built and funding expenditures.)

B. PRIORITIZATION PROCESS FOR CONSIDERING PROGRAMS AND STUDIES

Consideration for the funding of Programs, Studies or other Flood Damage Reduction Initiatives by Member Watershed Districts shall be ranked for funding eligibility in the following order of priority. The lowest ranking shall be #1 and the highest #7.

1. The initiative is not related to gaining information toward flood damage reduction.
2. The information sought in this initiative is primarily for state or federal agency use, but is needed for gaining information related to flood damage reduction.
3. The information sought in this initiative is primarily for use in the applicant District.
4. The information sought in this initiative is needed by an individual District for their own use, but could be a pilot for establishing a methodology that could be used by all.
5. The information sought in this initiative will be conducted within an individual District, but the information gained can be utilized by all.
6. The information sought in this initiative is being gathered in all cooperating Districts and the information gained is necessary for furthering flood damage reduction initiatives.
7. The information sought in this initiative will be applicable to, and utilized in, all member Districts and is essential for the development of flood damage reduction initiatives within all of the Minnesota portion of the Red River basin.

Number 7 best describes this proposal.

The recommended minimum score for this category is 4.

C. DISTRICT BOARD OF MANAGER'S RECOMMENDATION

The Red Lake Watershed District's

Board of Managers have utilized the "Project Evaluation Worksheet" in

progressing this proposed project and request funding from the RRWMB

For 67% percent of the project's total cost not funded by other sources for

an estimated amount of \$ 5,922,000. It is anticipated that

construction can be accomplished and therefore funding will be required in:

1. Three to five years.
2. Two to three years.
3. One to two years.
4. Within one year.

This worksheet has been completed for the proposed project known as

Black River Impoundment Project – RLWD Project #176

by the Red Lake Watershed District on this 9th day of July, 2020.

President

Secretary

* Note: The RRWMB shall provide the applicant with a signed form certifying the commitment and shall describe any variation from the "Project Evaluation Worksheet."

Project Name: Red Lake River Targeted Watershed Grant						
Grantee Name: Red Lake Watershed District						
ITEMIZED PROJECT BUDGET AND EXPENDITURES						
Objective	Cost Category	Unit Cost	Rate	Quantity	Grant	In Kind Match
OBJECTIVE 1: Reduce <i>E. coli</i> in Black River and CD96						
Task A: BMP implementation	Projects	\$470.00	/acre	212.00	\$100,000.00	
Task B: Outreach and Education						
SWCD and RLWD Technicians	Staff Hours - Landowner Outreach	\$55.00	/hour	127.00		\$7,000.00
SWCD Managers	Staff Hours - Landowner Outreach	\$58.00	/hour	100.00		\$5,800.00
OBJECTIVE 1 - TOTAL					\$100,000.00	\$12,800.00
OBJECTIVE 2: Reduce sediment in Priority Areas						
<i>Task A: Implement Structural Practices to reduce sediment</i>						



520 Lafayette Road North
St. Paul, MN 55155-4194

Federal Clean Water Act Section 319 grant Proposal workplan

Doc Type: Contract

MPCA Use Only	
Swift #:	
AI:	
Activity ID:	

Project title: Red Lake River Targeted Watershed Grant – Phase 1

1. Grant sponsor summary:

Organization: Red Lake Watershed District

Contractor contact name: Myron Jesme

Title: Administrator

Address: 1000 Pennington Ave S.
Thief River Falls, MN 56701

Phone: 218-681-5800

Fax: 218-681-5839

Email: Myron.jesme@redlakewatershed.org

MPCA contact:

MPCA project manager: Denise Oakes

Title: Project Manager

Address: 714 Lake Ave, Suite 220
Detroit Lakes, MN 56501

Phone: 218-846-8119

Fax: _____

Email: Denise.oakes@state.mn.us

Project information

Start date: 12/01//2020 **End date:** 8/31/2023
(mm/dd/yyyy)

Grant funds requested: \$280,000 **Matching funds (minimum 40.0% of total project cost):** \$187,134

Total project cost: \$467,134

Interested in this proposal being scored for 0% Interest Clean Water Partnership (CWP) Loan funding? (Information can be found on the Minnesota Pollution Control Agency's (MPCA) website at <https://www.pca.state.mn.us/water/cwp-loans>). There is no obligation to accept loan funding if approved. CWP Loan funds can be used as match.

Yes No

2. Priority watershed (Group A) for federal Section 319 Small Watershed Focus Program

(50 points) (see section 3 of the request for proposals – found on the MPCA’s website at <https://www.pca.state.mn.us/water/section-319-funding-round>)

- Dobbins Creek Watershed (Cedar River)
- Dutch Creek and Fairmont Chain of Lakes (Blue Earth River)
- Pipestone, Split Rock and Mounds Creeks (Lower Big Sioux and Rock River)
- Plum Creek Watershed (Cottonwood River)
- Black River, Mainstem Red Lake River (Thief River Falls to Crookston), and Pennington County Ditch 96 Watershed (Red Lake River Watershed)
- Green Lake Watershed (Rum River)
- Skunk Creek Watershed (Nemadji River)
- Hawk Creek Watershed (Minnesota River-Yellow Medicine)
- Sand Creek (Minnesota River)
- Whiskey Creek (Buffalo-Red River)

3. Project plan information (25 points)

- Dobbins Creek NKE Plan
- Dutch Creek and Fairmont Chain of Lakes Section 319 Small Watershed Focus Program NKE
- Pipestone, Split Rock, and Mound Creeks Section 319 Small Watershed Focus NKE Plan
- Plum Creek Section 319 Small Watersheds Focus NKE Plan
- Red Lake River (Thief River Falls-Crookston) and Black River EPA NKE Plan
- Green Lake Section 319 Small Watersheds Focus Program NKE Plan
- Skunk Creek Section 319 NKE Plan
- Willmar Lakes and Upper Mainstem Hawk Creek Watershed NKE Plan
- Sand Creek Section 319 Small Watershed Focus Program NKE Plan
- Whiskey Creek Watershed Section 319 NKE Plan

4. Project information (total of 15 points)

The Red Lake River (Thief River Falls-Crookston) and Black River EPA Nine Element Plan describes the water quality issues and actions to restore impaired waters. The projects and activities will occur in priority management areas of CD 96, Black River, and the middle reach of the Red Lake River between Thief River Falls and Crookston. The following sections of the Nine Element Plan can be referenced for priority project locations, including critical loading areas. A map of the priority management areas is included in this proposal.

Section 2: Identify priority planning areas and water management classifications

Section 3: Description of the watershed

Section 4: Statement of problems and existing water quality and quantity conditions

Section 5: Opportunities and projects to improve water quality and resources

Anticipated Water Quality Benefits:

Reduce *E. coli*

- **Black River Management Area** – Reduce the maximum monthly geometric mean *E. coli* concentration by 50 MPN/100ml in AUID 09020303-529 (Lower Black River) to progress toward the ten-year goal of 152 MPN/100ml reduction of the maximum monthly mean concentration.
- **CD96** - Reduce maximum monthly geometric mean *E. coli* concentration by 45 MPN/100ml in AUID 09020303-505 to progress toward the ten-year goal of a 138 MPN/100ml reduction of the maximum monthly geometric mean concentration.

Reduce Sediment

- **Streambank Stabilization or meander cutoff project** – 65 tons/year estimate
- **Grade Stabilization Projects**
 - Side Water Inlets for Black River Impoundment Project – 510 tons/year
 - Other Grade Stabilization Structures: 60 tons/year
 - Water and Sediment Control Basins (WASCOB): 30 tons/year
- **Non-Structural Practices in Priority Management Areas**
 - Source Reduction: 261 tons/year
 - Field Border: 34 tons/year
 - Riparian Buffer: 158 tons/year

5. Goals, objectives, tasks, and subtasks (total of 10 points)

***Goal: Restore impaired waters within priority management areas through focused reduction of sediment and *E. coli* loading from critical loading areas.**

Objective 1: Reduce *E. Coli* in the Black River and CD 96 priority management areas by targeting practices in critical loading areas.

Task A: Implement cattle exclusion practices, grazing management, and other practices identified in the Nine Element Plan to reduce *E. coli*.

Subtask 1: Utilize existing reports such as the Red Lake River Watershed TMDL, WRAPS, 1W1P, previously collected data, and field visits to identify priority projects in critical loading areas.

Subtask 2: Conduct landowner outreach and assist with the planning and implementation of identified priority projects to reduce *E. Coli* with cooperative landowners.

Subtask 3: Develop grazing management plans and cattle exclusion plans for cooperative landowners in critical loading areas.

Task B: Conduct outreach to smaller livestock operations (10-299 Animal Units) to encourage development and implementation of manure management plans in critical loading areas.

Responsible Party(ies): Red Lake SWCD and Pennington SWCD staff

Objective 1 Timeline: 2020-2023

Objective 1 Cost: \$100,000 (319) \$12,800 (Match) TOTAL: \$112,800

Objective 1 Deliverables: 240 acres of grazing management plan(s) and 1 cattle exclusion plan/access control.

Objective 2: Reduce sediment loading from critical areas identified within priority management areas by utilizing PTMApp. Provide secondary benefits by reducing phosphorus loading and improving index of biological integrity scores.

Task A: Implement structural Best Management Practices (BMPs) that include grade stabilization structures, Water and Sediment Control Basins (WASCOB), streambank stabilization projects, stabilization of ditch outlets, and other structural practices that are described in the Nine Element Plan.

Subtask 1: Conduct outreach to landowners in critical loading areas to promote voluntary implementation of BMPs to reduce sediment loading.

Subtask 2: Where landowner cooperation is achieved, conduct site assessments, surveys, project designs, construction inspection, and as-built surveys for structural management practices that reduce sediment loading. NRCS Practice Standards will be used as applicable.

Task B: Implement non-structural practices such as cover crops, field borders, riparian forest buffers, riparian buffers, critical area plantings, and other related non-structural practices included in the Nine Element Plan.

Subtask 1: Conduct outreach to landowners in critical loading areas to promote voluntary implementation of BMPs to reduce sediment loading.

Subtask 2: Develop conservation plans for agricultural BMPs for cooperative landowners and operators in critical loading areas.

Responsible Party(ies): Red River Valley Conservation Service Area 1 Engineering Staff, Red Lake SWCD, Red Lake Watershed District (RLWD), West Polk SWCD, and Pennington SWCD staff.

Objective 2 Timeline: 2020-2023

Objective 2 Cost: \$166,000 (319) \$168,600 (Match) TOTAL \$334,600

Objective 2 Deliverables: 36 grade stabilization structures, 2 water and sediment control basins, 1 streambank stabilization project. Non-structural practices: 640 acres of cover crop, nutrient management or other source reduction practices, 12 acres of riparian buffers or riparian forest buffers, and 11 acres of field borders.

Objective 3: Grant Administration

Task A: The RLWD will be the fiscal agent for the grant and track expenditures for reimbursement and required reporting for the grant. Pennington SWCD is the Coordinator and will schedule meetings, set agendas, complete the required grant reporting, and work with the RLWD to complete accurate financial reports.

Subtask 1: Prepare monthly or quarterly Invoices

Subtask 2: Complete and submit semi-annual reports due in February and August for each year of the grant

Subtask 3: Project coordination and communication with project manager.

Responsible Party(ies): RLWD and Pennington SWCD staff

Objective 3 Timeline: 2020-2023

Objective 3 Cost: \$14,000 (319) \$5,734 (Match) TOTAL \$19,734

Objective 3 Deliverables: Semi-Annual reports for February and August of years 2021, 2022, and 2023 and a final report and monthly or quarterly invoices throughout the life of the grant.

6. Project budget – See attached Excel Spreadsheet



Permit # 20-105

Status Report: **Tabled**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Linda Hanson		None		tel: mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Star** Range: **39** Section: **10 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Site 1 Extend existing field entrance. Site 2 install field entrance.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **No current access and existing crossing is too narrow.**

Status

Status	Notes	Date
Tabled		July 8, 2020
Received		June 15, 2020

Conditions

I recommend that this permit be tabled. N.J.O.

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-106

Status Report: **Tabled**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Linda Hanson		None		tel: mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Star** Range: **39** Section: **3 1/4: SW1/4 NW1/4**

(4) Describe in detail the work to be performed. **Remove existing plugged field entrance culvert and place approximately 500-700' feet south of existing culvert.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Move to higher ground.**

Status

Status	Notes	Date
Tabled		July 8, 2020
Received		June 15, 2020

Conditions

I recommend that this permit be tabled. N.J.O.

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-109

Status Report: **Tabled**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Earl Pederson		3077 County Hwy 42 Bejou, MN 56516		tel:218-790-4106 mobile: fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Red Lake** Township: **Lake Pleasant** Range: **44** Section: **13 1/4: SE1/4**

(4) Describe in detail the work to be performed. **Install pattern tile with gravity outflow.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Improved drainage.**

Status

Status	Notes	Date
Tabled		July 8, 2020
Received		June 17, 2020

Conditions

I recommend this permit be tabled, another affected landowner signature is needed. N.J.O.

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-100

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Josh Barrett		44194 140th Street SW East Grand Forks, MN 56721		tel:218-779-4828 mobile: fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Polk** Township: **Sullivan** Range: **49** Section: **30 1/4: SE1/4**

(4) Describe in detail the work to be performed. **Install a 24" diameter field entrance culvert in the SE1/4.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Additional access.**

Status

Status	Notes	Date
Approved		July 8, 2020
Tabled		June 24, 2020
Received		June 10, 2020

Conditions

RLWD approval to install a 24" diameter field entrance culvert, as per approval of Sullivan Township specs/conditions; proposed work is within township road right-of-way. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O./L.S.

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Jeremy Henry	Adirondack Farmland Holdings	None		tel:218-280-3341 mobile: fax:

General Information

(1) The proposed project is a:

**Surface Drainage (New Ditch or Improvement)
Culvert Installation / Removal / Modification**

(2) Legal Description

(3) County: **Marshall Township: Moylan Range: 40 Section: 28 1/4: W1/2**

(4) Describe in detail the work to be performed. **Install 24" culvert toward north end. Install 18" culvert 3/4 mile south of Ditch 20. Dig ditch along side township road and slope road grade to these culverts.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Ditches need to be very deep to drain water to west at 219.**

Status

Status	Notes	Date
Approved		July 7, 2020
Received	None	June 10, 2020

Conditions

RLWD approval to install a 24" CMP approximately 1/8 mile south of the north section line, and an 18" CMP approximately 3/4 mile south of the north section line, Section 28 Moylan Township. Approval includes constructing a drainage way along the west side of the spoil bank that follows the north-south quarter line graded to the new culverts. A profile of the existing spoil along the west side of CD32L1 is provided. Applicant must ensure adequate overflow areas of the spoil be maintained at the current elevation to provide flood flows during overland flooding conditions. Applicant shall contact Marshall County as the ditch authority for their approval and must meet their specs/conditions. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166)

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-108

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Earl Pederson		None		tel:218-790-4106 mobile: fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Red Lake** Township: **Emardville** Range: **42** Section: **11 1/4**:

(4) Describe in detail the work to be performed. **Install pattern tile with gravity outflow.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Improved drainage.**

Status

Status	Notes	Date
Approved		July 8, 2020
Received		June 17, 2020

Conditions

The Red Lake Watershed District (RLWD) approves the pattern tile project with 'Gravity' outlets, as per approval of Emmardville Township & Red Lake County Ditch Authority; proposed tile grid will outlet into Township Road Right-of-Way and Red Lake County Ditch #57. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade and drainage is provided. ■ **Note: Please be aware of and review the 'bullet points' on the bottom half of the application. Prior to any work, we also recommend that you contact your local Soil and Water Conservation District (SWCD) office to inquire about possible wetland concerns. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) N.J.O.**

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-114

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Ross Cota		18782 150th Street SW Red Lake Falls, MN 56750		tel:218-253-2369 mobile: fax:

General Information

(1) The proposed project is a:

**Surface Drainage (New Ditch or Improvement)
Culvert Installation / Removal / Modification**

(2) Legal Description

(3) County: **Red Lake** Township: **Wylie** Range: **45** Section: **30 1/4: SE1/4**

(4) Describe in detail the work to be performed. **Clean ditch on north side of township road. Extend existing culverts.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Ditch is filled in.**

Status

Status	Notes	Date
Approved		July 8, 2020
Received	None	June 22, 2020

Conditions

Red Lake Watershed District (RLWD) approval to clean the north road ditch along the SE ¼ Sec 30 and to extend the 18” CMP pipe culverts at the two field entrances. All excavation shall be consistent with the existing road and ditch slopes and there shall be no vertical excavation faces. Existing drainage/flow patterns shall not be changed or diverted. Proposed work within Twp. road Right-of Way shall be approved by the township and must follow their specs/conditions Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) D.T.M

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-122

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Dan Driscoll		13256 380th Avenue SW East Grand Forks, MN 56721		tel: mobile: 218-779-8226 fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Keystone** Range: **48** Section: **30 1/4: NE1/4**

(4) Describe in detail the work to be performed. **Install pattern tile with lift station/pump.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Improved drainage.**

Status

Status	Notes	Date
Approved		July 8, 2020
Received	None	June 24, 2020

Conditions

The Red Lake Watershed District (RLWD) approves the random tile and lift station. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval, and must meet their specs/conditions. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade, drainage, and erosion protection is provided. ■ **Note: Please be aware of, and review the 'bullet points' on the bottom half of the application. For proposed work on lands not owned by applicant, he/she must obtain, in writing, permission from the affected landowners to perform proposed work. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166)**

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-123

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Dan Driscoll		13256 380th Avenue SW East Grand Forks, MN 56721		tel:218-779-8226 mobile: fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Keystone** Range: **48** Section: **19 1/4: S1/2**

(4) Describe in detail the work to be performed. **Install random tile with lift station/pump.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Increased drainage.**

Status

Status	Notes	Date
Approved		July 8, 2020
Received	None	June 24, 2020

Conditions

The Red Lake Watershed District (RLWD) approves the random tile with surface inlets and lift station. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval, and must meet their specs/conditions. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade, drainage, and erosion protection is provided. ■ Note: Please be aware of, and review the 'bullet points' on the bottom half of the application. For proposed work on lands not owned by applicant, he/she must obtain, in writing, permission from the affected landowners to perform proposed work. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166)

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-124

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Dan Stroot		23779 140th Street SW Euclid, MN 56722		tel: mobile: 218-289-1310 fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **None** Range: **46** Section: **21 1/4: SW1/4 SW1/4**

(4) Describe in detail the work to be performed. **Install random tile with lift/station pump.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Increased drainage.**

Status

Status	Notes	Date
Approved		July 8, 2020
Received	None	June 24, 2020

Conditions

The Red Lake Watershed District (RLWD) approves the random tile and lift station. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval, and must meet their specs/conditions. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade, drainage, and erosion protection is provided. ■ Note: Please be aware of, and review the 'bullet points' on the bottom half of the application. For proposed work on lands not owned by applicant, he/she must obtain, in writing, permission from the affected landowners to perform proposed work. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166)

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-127

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Earl Pederson		3077 County Hwy 42 Bejou, MN 56516		tel: mobile: 218-790-4106 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Red Lake** Township: **Terrebonne** Range: **43** Section: **35 1/4: SW1/4**

(4) Describe in detail the work to be performed. **Move existing field approach along Highway 12 approximately 40-50 yards south to line up with the irrigation system.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Low area between existing approach and irrigation tower.**

Status

Status	Notes	Date
Approved		July 8, 2020
Received		June 25, 2020

Conditions

RLWD approval re-locate an existing 24" diameter field entrance culvert approximately 50 yards to the south of where it is currently, as per approval of Red Lake County Highway Department; proposed work is within County State Aid Highway #12 right-of-way. Applicant is responsible for utility locates by calling Gopher 1 at (1-800-252-1166) N.J.O.

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-129

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Arlen & Jared Eidelbes		436 Kneale Avenue South Thief River Falls, MN 56701		tel: mobile: 218-689-7223 fax:

General Information

(1) The proposed project is a:

Culvert Installation / Removal / Modification

(2) Legal Description

(3) County: **Pennington** Township: **Mayfield** Range: **41** Section: **16 1/4: NE1/4**

(4) Describe in detail the work to be performed. **Driveway to property.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Access to land.**

Status

Status	Notes	Date
Approved		July 8, 2020
Received		June 25, 2020

Conditions

RLWD approval to install an 18" diameter entrance culvert, as per approval of Pennington County Highway Department; proposed work is within County State Aid Highway #2 Right-of-Way. Applicant is responsible for utility locates by calling Gopher 1 at (1-800-252-1166) N.J.O.

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-135

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Mike Tiedemann		27470 132nd Street SW Euclid, MN 56722		tel: mobile: 218-289-1301 fax:

General Information

(1) The proposed project is a:

**Surface Drainage (New Ditch or Improvement)
Culvert Installation / Removal / Modification**

(2) Legal Description

(3) County: **Polk Township: Euclid Range: 47 Section: 14 1/4: SW1/4**

(4) Describe in detail the work to be performed. **Clean the ditch on east side of 280th Avenue SW from County Road 19 north to the coulee. Clean from that start point going east 100 feet along County 19 to drain the low area that was left when the county road was redone. Construct a field crossing off of County Road 19 in that same area.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Water is standing. Additional approach is needed.**

Status

Status	Notes	Date
Approved		July 8, 2020
Received	None	June 29, 2020

Conditions

Red Lake Watershed District (RLWD) approval of construction of a field entrance off of CR 19 with an 18" pipe culvert and cleaning of road ditches along the north side of CR 19 and east side of 280th Ave SW. Portions of the proposed work are within County and Township road R/W. Approval/permits from road authorities shall be obtained and work shall conform to their specs/conditions. All excavation shall be consistent with the existing road and ditch slopes and there shall be no vertical excavation faces. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166) D.T.M.

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-136

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Jarod Peterson		502 Prairie Rose Avenue Warren, MN 56762		tel: mobile: 218-201-0085 fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Northland** Range: **49** Section: **29 1/4: NW1/4**

(4) Describe in detail the work to be performed. **Install pattern tile with lift station/pump.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Improved drainage.**

Status

Status	Notes	Date
Approved		July 8, 2020
Received	None	June 29, 2020

Conditions

The Red Lake Watershed District (RLWD) approves the pattern tile project and lift station. If any work is within a public road and/or public ditch Right-of-Way, applicant shall contact the appropriate road/ditch authority for their approval, and must meet their specs/conditions. Directly downstream of the tile and/or pump station(s) outlets, applicant shall ensure that adequate grade, drainage, and erosion protection is provided. ■ Note: Please be aware of, and review the 'bullet points' on the bottom half of the application. For proposed work on lands not owned by applicant, he/she must obtain, in writing, permission from the affected landowners to perform proposed work. Applicant is responsible for utility locates by calling Gopher 1. (1-800-252-1166)

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-137

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Donavan Wold		39579 210th Street SW East Grand Forks, MN 56721		tel:218-791-4804 mobile: fax:

General Information

(1) The proposed project is a:

Tiling

(2) Legal Description

(3) County: **Polk** Township: **Keystone** Range: **48** Section: **31 1/4**:

(4) Describe in detail the work to be performed. **Repairing tile pump station (moving it out of the ditch and repairing open inlets)**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Pump was installed incorrectly and to close to the ditch.**

Status

Status	Notes	Date
Approved		July 8, 2020
Received		June 29, 2020

Conditions

RLWD approval to relocate an existing tile pump. The current location of the tile pump is within the road ditch back slope and erosion is occurring. The pump will be re-located out of the ditch back slope. Applicant shall ensure that erosion control practices are utilized regarding the pump water discharge and vegetation of disturbed areas. Applicant shall contact the appropriate jurisdictional authority for their approval and must meet their specs/conditions when working in adjacent legal road or ditch right-of-way Applicant is responsible for utility locates by calling Gopher 1 at (1-800-252-1166) N.J.O.

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.



Permit # 20-140

Status Report: **Approved**

Applicant Information

Name	Organization	Address	Email	Phone Number(s)
Robert Johnson		16312 470th Street Clearbrook, MN 56634		tel:218-766-1084 mobile: fax:

General Information

(1) The proposed project is a:

Surface Drainage (New Ditch or Improvement)

(2) Legal Description

(3) County: **Clearwater** Township: **Winsor** Range: **38** Section: **26 1/4**:

(4) Describe in detail the work to be performed. **Clean road ditch.**

(5) Why is this work necessary? Explain water related issue/problem being solved. **Improved drainage.**

Status

Status	Notes	Date
Approved		July 8, 2020
Received		June 30, 2020

Conditions

RLWD approval to clean the north and south township road ditch bottom, as per approval of Winsor Township; proposed work is within township road right-of-way. A survey of the ditch bottom profile has been completed by the RLWD and a copy of the profile will be sent to the applicant. All excavation shall be consistent with the existing road and ditch slopes, there shall be no vertical excavation faces. Existing drainage/flow patterns shall not be changed or diverted. Applicant is responsible for utility locates by calling Gopher 1 at (1-800-252-1166) N.J.O.

NOTE: This permit does not relieve the applicant of any requirements for other permits which may be necessary from Township, County, State, or Federal Government Agencies.

Myron Jesme

From: Angelica Weasner <aweasner@crookston.mn.us>
Sent: Wednesday, July 8, 2020 10:19 AM
To: Myron Jesme
Subject: Purchase of credits

I am contacting you to respectfully request the purchase of wetland credits. The City of Crookston is a member of the Red Lake River Corridor and we would like to place an access on CSAH 11 (aka Fisher Ave) at the Gentilly Bridge area.

The acreage that needs to be purchased is .08 acres. This is a 2:1 ratio for the purchase as required by Soil and Water Conservation. The impacted area is .04 acres according to the engineering firm.

I appreciate your consideration of this request and look forward to working with you in the future. If you have any questions do not hesitate to contact me.

Sincerely,

Angel Weasner, MCMC
City of Crookston
Interim City Administrator
124 N Broadway
Crookston, MN 56716
Phone: 218-281-4503
Cell: 218-521-0895
Fax: 218-281-5609

MEMORANDUM

DATE: July 1, 2020
TO: MAWD Members
FROM: Sherry Davis White, Resolutions Committee Chair
RE: **2020 REQUEST FOR MAWD RESOLUTIONS**



It is that time of year for MAWD members to submit their policy recommendations through our resolutions process. Here are the next steps and timeline:

- | | |
|----------------------------|---|
| July / August | Members discuss and approve resolutions at their local WD/WMO meetings |
| September 1 | Administrators submit resolutions and background information documents to the MAWD office at emily@mnwatershed.org by September 1 |
| September / October | Resolutions Committee will review resolutions, gather further information when deemed necessary, discuss and make recommendations on their passage to the members |
| October 31 | Resolutions (with committee feedback) will be emailed to each district by Oct. 31 |
| November | Members should discuss the resolutions at their November meetings and decide who will be voting on their behalf at the annual meeting (2 voting members allowed per watershed organization) |
| December | Delegates discuss and vote on resolutions at the annual meeting |
| December / January | Legislative Committee will review existing and new resolutions and make a recommendation to the MAWD Board of Directors for the 2021 legislative platform |
| January 2021 | MAWD Board of Directors will finalize the 2021 legislative platform |
| January 5, 2021 | First day of the 92 nd legislative biennium |

Resolutions passed by the membership at the annual meeting will remain MAWD policy for five years. After five years resolutions will sunset and if desired, will need to be resubmitted and passed at the annual meeting to keep those issues active.

See the enclosed lists for resolutions that are active and those that will sunset at the end of the year.

Please feel free to contact me at sherrywhite@mediacombb.net or our Executive Director Emily Javens if you have any questions at emily@mnwatershed.org or (651) 440-9407.

THANK YOU FOR YOUR EFFORTS IN OUR POLICY DEVELOPMENT!

Background Information

2020 MAWD Resolution

Proposing District: _____

Contact Name: _____

Phone Number: _____

Email Address: _____

Resolution Title: _____

Background that led to the submission of this resolution:

Ideas for how this issue could be solved:

Anticipated support or opposition from other governmental units?

(Check one) This issue is of importance to:

Only our district _____

Only our region _____

The entire state _____

Active MAWD Resolutions

July 1, 2020



FINANCE ISSUES

2018-02 Increase the \$250k General Fund Tax Levy Limit

MAWD supports legislation to increase or remove the \$250,000 general fund ad valorem tax levy limit set in MN statute 103D.905 subd. 3. If the limit is raised to a new dollar amount, MAWD supports an inflationary adjustment be added to statute.

2017-05 Middle Fork Crow River Watershed District General Operating Levy Adjustment

MAWD supports the efforts of Middle Fork Crow River Watershed District to draft and advance special legislation affecting a change in its general fund levy cap.

2019-08: Heron Lake Watershed District General Operating Levy Adjustment

MAWD supports an increase in Heron Lake Watershed District's general operating levy cap from \$250,000 to an amount not to exceed \$500,000.

2019-09: Shell Rock River Watershed District General Operating Levy Adjustment

MAWD supports an increase in Shell Rock River Watershed District's general operating levy cap from \$250,000 to an amount not to exceed \$500,000.

2019-10: Pelican River Watershed District General Operating Levy Adjustment

MAWD supports an increase in Pelican River Watershed District's general operating levy cap from \$250,000 to an amount not to exceed \$500,000.

2019-11: Buffalo Red River Watershed District General Operating Levy Adjustment

MAWD supports an increase in Buffalo Red River Watershed District's general operating levy cap from \$250,000 to an amount not to exceed \$500,000.

2019-06: Oppose Legislation that Forces Spending on Political Boundaries.

MAWD opposes legislation that establishes spending requirements or restricts watershed district spending by political regions or boundaries.

2017-06 Obtain Stable Funding for the Flood Damage Reduction Program

MAWD supports stable funding (as opposed to the current even year bonding process) for the DNR's Flood Damage Reduction Program. A suggested sustainable level of funding is \$25 million per year for the next 10 years.

2016-03 Tax Law Treatment of Conservation Easements

MAWD pursue a legislative initiative to define "riparian buffer" for purposes of conservation easements in state tax code and to establish an administrative procedure whereby a watershed organization would certify, for purposes of section 273.117, a conservation easement or restriction as meeting the water quantity and quality purposes cited in the tax law and therefore be eligible for a reduction in estimated market value.

URBAN STORMWATER

017-04 Limited Liability for Certified Commercial Salt Applicators

MAWD supports passage and enactment of state law that provides a limited liability exemption to commercial salt applicators and property owners using salt applicators who are certified through the established salt applicator certification program who follow best management practices.

2017-07 Creation of a Stormwater Reuse Task Force

MAWD pursue legislation requiring creation of a Stormwater Reuse Task Force with membership from Watershed Districts, Cities, Counties, State Agencies and other Stormwater Reuse implementers; and that the Stormwater Reuse Task Force should be charged with developing recommendations that further clarify and/or replace the information in the Water Reuse Report that relates to stormwater reuse best management practices.

PUBLIC DRAINAGE LAW

2019-04: Clarify County Financing Obligations and/or Authorize Watershed District General Obligation Bonding for Public Drainage Projects.

MAWD supports legislation to achieve one or both of the following:

- a) To clarify that an affected county must finance a watershed district drainage project on project establishment and request of the watershed district; and
- b) To authorize watershed districts to finance drainage project establishment and construction by issuance of bonds payable from assessments and backed by the full faith and credit of the watershed district; and further provide for adequate tax levy authority to assure the watershed district's credit capacity.

2019-02: Add a Classification for Public Drainage Systems that are Artificial Watercourses

MAWD supports removal of the default Class 2 categorization for public drainage systems that are artificial watercourses and supports a default Class 7 categorization for public drainage systems that are artificial watercourses.

2018-08 Reinforce Existing Rights to Maintain/Repair 103E Drainage Systems

MAWD supports legislation modeled after House File 2687 and Senate File 2419 of the ninetieth legislature (2017-2018) reinforcing that the DNR cannot restrict existing rights to maintain and repair 103E public drainage systems.

AQUATIC INVASIVE SPECIES

2017-02 Temporary Lake Quarantine Authorization to Control the Spread of AIS

MAWD supports legislation granting to watershed districts, independently or under DNR oversight, the authority, after public hearing and technical findings, to impose a public access quarantine, for a defined period of time in conjunction with determining and instituting an AIS management response to an infestation.

2019-07: Chinese Mystery Snail Designation Change and Research Needs.

MAWD supports Chinese Mystery Snail prevention and control research and to change the Chinese Mystery Snail designated status in Minnesota as a regulated species to a prohibited species.

LOCAL and STATE WATERSHED MANAGEMENT COORDINATION / REPRESENTATION

2019-01 Streamline the DNR permitting process

MAWD supports legislation, rules, and/or agency policies to streamline the DNR permitting process by increasing responsiveness, decreasing the amount of time it takes to approve permits, providing a detailed fee schedule prior to application, and conducting water level management practices that result in the DNR reacting more quickly to serious, changing climate conditions.

2019-03: Support for Managing Water Flows in the Minnesota River Basin Through Increased Water Storage and Other Strategies and Practices.

MAWD supports efforts to manage the flow of water in the Minnesota River Basin and the Minnesota River Congress in its efforts to increase water storage on the landscape; and

MAWD supports the Minnesota River Congress in its efforts to secure state and federal programs targeted specifically to increase surface water storage in the Minnesota River Watershed.

2019-05: Watershed District Membership on Wetland Technical Evaluation Panels.

MAWD supports legislation to allow technical representatives of watershed districts to be official members of wetland technical evaluation panels (TEPs).

2018-04 Require Watershed District Permits for the DNR

MAWD supports an amendment to the MN Statute § 103D.315, subd. 5, to include the MN Department of Natural Resources as a state agency required to get permits from watershed districts when applicable.

2018-06 Ensure Timely Updates to Wildlife Management Area (WMA) Plans

MAWD supports that Wildlife Management Area (WMA) operation and maintenance plans and/or management plans are either drafted or brought current in a timely fashion, with input from local governmental entities, to ensure their consideration in future One Watershed One Plan efforts.

2018-03 Require Timely Appointments to the BWSR Board

MAWD supports legislation that requires the Governor to make BWSR board appointments within 90 days of a vacancy or board member term expiration.

2018-09 Clean Water Council Appointments

MAWD may ask the representative of the Clean Water Council to resign when they lose their direct association to a watershed district; and that MAWD will recommend to the Governor's office that managers and/or administrators in good standing with MAWD be appointed to the Clean Water Council.

WATERSHED OFFICE OPERATIONS

2016-01 Making Human Resources Expertise Available to Districts through MAWD

MAWD research potential options of making human resources expertise available to districts and make every effort to assure districts have access to the expertise they need to effectively manage their organizations.



Resolutions to Sunset

Effective December 31, 2020

In accordance with MAWD's Sunset Policy, the following resolutions will be archived at the end of the year and will no longer be considered for future legislative and administrative platforms. The Sunset Policy says that resolutions older than five years old shall be removed from the books. If your watershed feels any of these issues should continue to be actively pursued with MAWD resources, then your watershed board needs to write up a new resolution and the issue will need to be voted on and renewed by the membership at the next annual meeting to be held in December.

2015-01 Encourage DNR to Permit Storing Water on DNR Land

MAWD supports the temporary storage of water on existing DNR-controlled wetlands in the times of major flood events.

2015-02 Road Raises for Cities with Levees

MAWD supports the State of Minnesota providing financial support through the MN DNR Flood Damage Reduction Program to cost share with local, state, and federal road authorities to provide road raises as an additional feature of flood control levee projects.

2015-05 Improvements in Process with Permitting Authorities for Water Quality Improvement Projects

MAWD supports all permitting authorities:

1. Identify all regulatory requirements and applicable standards that have been developed, formalized, and codified into applicable laws, statutes, and rules that apply to proposed water quality improvement projects within 30 days of receiving a permit application;
2. Coordinate with permit applicants on proposed water quality improvement projects as part of the technical advisory committee process;
3. Consider the development of internal technical advisory/evaluation committees within each authority to review proposed water quality improvement projects; and
4. Allow permit applicants to address all members of each authority's organization that are offering comments and concerns on a proposed water quality improvement project early on through the technical advisory committee process, instead of trying to go through one contact person at each authority.

2015-06 Establishment of Minnesota River Basin Commission

MAWD supports the legislative establishment of a MN River Basin Commission to provide effective and efficient proactive comprehensive basin planning; administration; project development; implementation; construction and maintenance or water resource projects and programs of benefit to the MN River Basin with a focus on water quantity and water quality management.

2015-07 Review Commitment to Clean Water Council Process for Recommendations to Governor and Legislature on Spending Priorities of the Clean Water Fund

MAWD supports a review of our commitment to the present Clean Water Council funding recommendation process and make a recommendation to the membership at our 2016 Annual Meeting on our continued participation in that process.

2015-08 Protect the Integrity of the Clean Water Council Appointments

MAWD supports legislation to protect the integrity of Clean Water Council appointments by supporting legislation similar to the BWSR appointment process for local government appointments, and that any state agency influence on the appointment process for local government representatives or any other specific represented groups on the Clean Water Council not be tolerated.

Background Information

2020 MAWD Resolution

Proposing District: _____

Contact Name: _____

Phone Number: _____

Email Address: _____

Resolution Title: _____

Background that led to the submission of this resolution:

Ideas for how this issue could be solved:

Anticipated support or opposition from other governmental units?

(Check one) This issue is of importance to:

Only our district _____

Only our region _____

The entire state _____

Red Lake Watershed District - Administrators Report

July 9, 2020

Red River Watershed Management Board – LeRoy and I will be attending the RRWMB July 21, 2020 which is an in-person meeting in Ada. But with space available in the meeting room and social distancing guidelines, they are allowed only 18 people in attendance. I believe the rest of the audience will be attending via Microsoft Teams. I also have an afternoon doctor's appointment at 1:00 pm in Grand Forks so will have to leave Ada by 11:45 or so to assure I can get there in time. Part of the meeting will include our Step III submittal for the Black River Impoundment and update of the TRF Westside FDR Project as was anticipated.

I also attended in person the Governing Document meeting which was held July 7th at 9:30 am. The meeting lasted until 12:30 with a lot of information gathered for future discussions by the Red Board.

Thief River 1W1P – There will be a Policy Committee meeting held at 8:30 am Tuesday July 14th. One of the agenda items will be the approval of a cost share policy. We will also have a zoom meeting at 2:30 this afternoon to discuss the Moose River Streambank project identified in the plan.

River Watch Voyageur Award – Congratulations to Lisa Frenette for being the recipient of the 2020 Voyageurs Award. French voyageurs in the Red River Basin were known for extraordinary hard work and exceptional skill at their craft, the Voyageur's Award recognizes efforts that go above and beyond the normal activities of the River Watch program, demonstrating the greater potential and contribution that River Watch can provide to a school, a community, and a watershed. This year we have one recipient of our Voyageur Award. This award was given to Lisa Frenette for her role in Securing legislative funding has allowed the River Watch Program to grow in size and quality over the last 10 years. Communicating the program success with legislative offices, staffers and committees at the Capitol is dizzying but Lisa Frenette does this with ease and is very deserving of the Voyageur Award! She is able to keep track of committee processes and has coordinated hearing schedules (with perfect timing) for IWI staff, River Watch Teachers and students to testify and have conversations with legislators about the importance of River Watch.



Buffer Strip Mowing – Christina continues to work with contractors to assure all buffer strips are maintained and inspected for compliance. I have included in your packet a mowing update as of July 7, 2020 which gives a detailed listing of contractors, projects they mow and what the status is of completion.

One Watershed One Plan (1W1P)
Thief River Watershed
Policy Committee Meeting
July 14, 2020
8:30 a.m.
At Red Lake Watershed District Office
Or

Due to COVID-19 concerns this meeting will also be held electronically via WebEx.

Event address for attendees:

<https://minnesota.webex.com/minnesota/onstage/g.php?MTID=eb7fb6d4655cd8d17206964932c278b7a>

password is webex (Please look at attachment on how to log in if desired)

To call in by phone dial +1-415-655-0003 and enter Conference ID: 146 236 0319

Agenda

1. Call to Order
2. Review and Approval of Agenda Action
3. Review Minutes from Last Meeting Action
4. Financials Information
5. Thief River 1W1P Work Plan & Elink Work Plan Information
6. Thief River 1W1P Implementation Schedule Information
7. Thief River 1W1P Cost Share Policy Action
8. Thief River 1W1P Cost Share Contract Action
9. Thief River 1W1P Voucher Action
10. Thief River 1W1P Project Checklist Information
11. Thief River 1W1P Cost Share Request Form Information
12. PTMApp Thief River Targeting Work Information
13. Next meeting Information
14. Adjourn Action

Mowing Update as of July 7th, 2020

Shane Vanosek:

Completed Systems

- Project 60FF Grand Marais Creek Cut Channel
- Project 166 Ditch 11
- Project 175 Ditch 15

To complete

- Project 169 Ditch 12 (currently working on)

Brad Lunke

Completed Systems

- Project 14 State Ditch 83

David Shane

Completed Systems

- Project 134 Polk Co Ditch 63 Improv.
- Project 135 Polk Co Ditch 33 Improv.

To complete

- Project 53 Krostue Petition
- Project 119 (currently working on)

Jeff Olson

Completed Systems

- Challenger/FDR Ditch Project 171A
- Project 5 RLWD Ditch 1
- Project 20 RLWD Ditch 7
- Project 36 Ditch 8
- Project 41 JD 72
- Project 109 Arveson Petition
- Project 113 Winsor/Hangaard

To complete

- Project 48 JD 2A
- Project 49 JD 2
- Project 115 RLWD Ditch 1
- Project 170A Lateral to Penn Co Ditch 75

Les Cota

Completed Systems

- Project 171 Ditch 14/ FDR Project 171A

Dave Garry's tractor broke down this year. He told us to give all of his ditch systems away. We are giving out systems one by one to contractors that finish mowing. Currently Shance Vanosek is the only contractor working on Dave Gary's assignments.

What is left of Dave Gary's Assignment:

- Project 7 RLWD Ditch 3 (Olson?)
- Project 43B Burnham Creek (Vanosek/David Shane?)
- Project 117 Johnson Petition (Vanosek/David Shane?)
- Project 123 Baatz Petition (Vanosek/David Shane?)
- Project 161 Ditch 10 (Olson?)

Buffer Program Update

July 7, 2020

Riparian Protection Aid Certification

BWSR just recently submitted our annual certification to the Department of Revenue as to which Counties and Watershed Districts have affirmed their jurisdiction under the Buffer Law and the proportion of centerline miles of public watercourses, and miles of public drainage system ditches on the buffer protection map. Those numbers have not changed. Therefore, the allocation of aid should be the same as last year.

Building Better Buffers Factsheets.

BWSR is introducing a series of factsheets called “Building Better Buffers”. The purpose of this series is to offer voluntary options for landowners to improve and maintain existing buffers. The series includes factsheets on Buffers for Clean Water, Buffers for Wildlife, Forested Buffers, Alternative Practices, and Buffer Maintenance. The plan is to distribute them to SWCDs and other partners to distribute to interested landowners. We appreciate the input and photos several of you provided for this series. The Building Better Buffers webpage is now live on our website:

<https://bwsr.state.mn.us/building-better-buffers>

If you have questions or ideas for future additions to the series, please contact Paul Erdmann, BWSR Buffer Specialist. Your good photos of buffer related activities are always welcome!

Compliance

Public water compliance is still estimated at 99% and public ditches at 98% statewide. Overall, these are high compliance numbers. However, there remains thousands of parcels that are listed as not compliant and enforcement work is still on going. Currently 22 counties are deemed fully compliant (that’s up around 25 percent from last fall) and another 40 counties have enforcement cases in progress. These numbers continue to increase on a monthly basis.

Alternative practices continue to be used more and more to help bring about compliance thanks to SWCDs working individually with landowners. There are more than 4,000 alternative practices recorded in BuffCAT (that’s an increase of over 1,000 practices from last fall) and numbers continue to grow.

BWSR Academy

BWSR Academy is scheduled to occur on October 27-29 at Breezy Point Conference Center. However, there is a possibility that it may transition into an on-line Academy. More information will be posted later this summer on our website at: <https://bwsr.state.mn.us/2020-bwsr-academy>

Looking Ahead

This summer and fall looked to be a busy time for SWCDs to finalize the process of determining compliance and issuing Notifications of Noncompliance for parcels that are not compliant. However, the COVID 19 Pandemic and the Governor's Stay Safe Order has made this process more challenging.

Our Buffer Specialists are currently working from home but are available to attend virtual meetings and conduct occasional site visits. You can still reach out to them and schedule site visits for later this summer or anytime if you need assistance.

We continue to encourage feedback on guidance and training that may be needed to support successfully and consistently implementing this program.

As always, thank you for all your efforts.

Travis Germundson
Appeals and Regulatory Compliance/Buffer Coordinator
Board of Water and Soil Resources
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