

Operations Committee Meeting
Tuesday, November 26, 2024 8:30 AM
Lower Platte North NRD Office
P.O. Box 126
Wahoo, NE 68066

1. UNFINISHED BUSINESS
We do not have any unfinished business.
2. WILD NE AND OTHER PROGRAMS
Nothing to report.
3. OPERATION & MAINTENANCE & OTHER ITEMS
The O & M staff hauled broken concrete and rock to access the wetland weir on Wanahoo, removed tree debris off of the breakwater, vehicle maintenance, checking recreation areas.
 - 3.A. Rehabilitation of Cottonwood 21-A, NRCS & HDR
HDR is finalizing the Preliminary Draft Supplemental Watershed Plan-EA for Cottonwood 21-A. This complete draft will contain the Watershed Agreement, Office of Management and Budget (OMB) Fact Sheet, Abstract, Table of Contents and all Chapters and Appendices.
HDR plans to complete the Preliminary Draft just after Thanksgiving to have the NRD review and comment before sending it to the NRCS.
 - 3.B. Wanahoo Basin & Other Property Damage - FEMA
Houston Engineering has provided their three-phase proposal and fee spreadsheet and an explanation sheet for each of the five tasks.
The fee sheet is for Phase 1 and 1b to analyze the need for repairs and mitigation on the Wanahoo Dam Stilling Basin and Breakwater, which includes 5 tasks at \$139,734.
 - 3.C. Wanahoo Relief Well Cleaning
Rieschick Well Drilling is currently working on cleaning the last 11 Wanahoo relief wells on their contract.
 - 3.D. Hay Harvest on NRD Recreation Areas
We had three of four hay contractors finalize their hay harvest from our recreation areas.
Ken Cejka - Wanahoo Area "A" - 81 bales at 50.32 T & paid \$4,377.95.
Dan Kadavy - Homestead Lake - 29 bales at 16.67 T & paid \$2,126.00.
Dan Kadavy - Wanahoo Area "B" - 240 bales at 138 T & paid \$12,006.00.
Matt Sullivan - Czechland Lake - 50 bales at 26.56 T & paid \$3,691.84.
Skyler Ratkovec - Wanahoo Area "C" has yet to haul and weigh his bales.
 - 3.E. NRD Vehicles
We prepared the 2012 Chevy Crew Cab that is stationed at Lake Wanahoo to be sold. It will be replaced with our 2014 Ford F-150. The F-150 will be replaced by a new Ford F-150 that has been ordered and funded through FEMA. The Kelly Blue Book range for the 2012 Chevy is \$8,731 - \$12,080.
We would also like to replace the 2014 Ford Fusion and replace it with an SUV.

There's a lack of space in the car for hauling materials for meetings and educational events. We have funds budgeted for this replacement.

4. ROCK AND JETTY

We have not received any applications or request for payment.

5. LAKE WANAHOO

5.A. Lake Wanahoo Permit Sales

For the month of October, the District received \$3,280.50 in annual park permit revenue.

5.B. Lake Wanahoo Camping Revenue

For the month of October, the District received \$11,907.68 in camping revenue.

5.B.1. Wanahoo Recreation Season Summary/'25 Budget

A 2024 Wanahoo Recreation season review and 2025 budget is being prepared and will be presented at the December 9th board meeting.

5.C. Education Building Rentals

The Clint Johannes Education Building at Lake Wanahoo was rented 17 times in November. Revenue for the month was \$1,675.

5.D. Flooring Upgrade

Speichinger and Sabatka met with 3 companies to upgrade the flooring at the Education Building and shower house at Lake Wanahoo. After reviewing the products and bids, it is recommended to go with Midwest Concrete to upgrade the flooring with a heavy duty concrete coating.

6. INFORMATION AND EDUCATION

6.A. Information

6.A.1. Radio & eAds

The KTIC radio ads and Wahoo newspaper e-ads for November featured the water use reports reminder for producers and will continue through mid-December (December 15 is the deadline). December ads for both will feature tree sales. The ads are attached.

6.A.2. Analytics

The LPNNRD Facebook and X pages, along with the website are some of the fastest ways to get information out to the public. Facebook and X posts range from 12 -18 posts per month. If you are on Facebook or X, please like, follow, share, or retweet the Lower Platte North NRD posts!

Total reach/impressions show how many people saw the post/tweet.

Engagements include likes, comments, shares/retweets and link clicks.

6.B. Education

6.B.1. Past events

November 6th: Owl's of Nebraska Night (6)

November 7th: Coffee Lakeside (11)

November 8th: Wahoo Kindergarten (90*)

November 11th: Columbus Lakeview am (45)

November 12th: Senior Citizen Center Presentation (8)

November 14th: Science and Scenes Night: Freshwater Mussels of Nebraska.
(7)

November 15th: St. Wenceslaus Pre-K visit. (27)

November 19th: David City Aquinas Middle school visits. (96)

November 20th: Yutan High School classroom visit (8) and Survival club - Knot
Tying (14).

6.B.2. Upcoming Events

December 12th: Coffee Lakeside.

December 16th: Turtles of Nebraska Night.

December 17th: St. Wenceslaus Pre-K visit.

December 18th: Survival Club everyday carry kits.

Classroom visits TBD

6.B.3. NACD Conference 2025

The proposal I submitted was accepted. Will be presenting my, Creating
Unexpected Partnerships, presentation.

7. RURAL WATER SYSTEMS

7.A. Rural Water Operations

The RWD will be working with Wanahoo staff to abandon a service line to a yard hydrant next to the Wanahoo equipment shed that is impacted by new office construction; excavation over service line reduced ground cover over a portion of the service line to 1.5-2' which isn't sufficient for frost protection.

Elliott completed DOT/DMV requirements for Class A CDL. DOT requires any combination vehicle (ie truck/trailer) with a combined weight in excess of 26,000 pounds to be operated by properly licensed CDL driver. This scenario impacts the RWD when needing to haul certain equipment (eg excavator) however the NRD is excepted from certain DOT requirements (DOT number, physicals) due to gov't status and intrastate travel.

7.B. Colon System

7.C. Bruno System

7.D. Other

Lake Wanahoo 2024 Repair - Phase I/IB

Lower Platte North NRD



		Sotak Project Mgr	Kelley H&H	Keller Structural	Gregalunas H&H/Geotech	Miller Structural	Suing Asst. Engr	Varies Staff Engr	Accounting Stroh	HEI	HEI
		\$296	\$216	\$216	\$260	\$216	\$194	\$156	\$125	Expenses	TOTAL
Task 1	Project Management	\$14,060	\$0	\$0	\$0	\$0	\$0	\$0	\$375	\$125	\$14,560
1.1	Client Communication/Board Meeting Attendance (16								\$125	\$4,861
1.2	FEMA/NEMA Coordination	24									\$7,104
1.3	Monthly Invoicing/Updates	1.5						3			\$819
1.4	NeDNR Coordination	6									\$1,776
Task 2	Site Investigations	\$3,552	\$0	\$0	\$0	\$0	\$9,700	\$1,560	\$0	\$350	\$15,162
2.1	Damage Survey/Documentation	6					10	10		\$250	\$5,526
2.2	Stilling Basin De-watering	6					40			\$100	\$9,636
Task 3	Storm Forensics Hydrology and Hydraulics	\$1,184	\$14,688	\$0	\$19,760	\$0	\$20,952	\$0	\$0	\$0	\$56,584
3.1	Finalize Storm Hydrology		12				24				\$7,248
3.2	Assess Dam/Reservoir/Downstream Hydraulics		40		60		60				\$35,880
3.3	Develop Storm Assessment Summary	4	16		16		24				\$13,456
Task 4	Develop Mitigation Alternatives	\$5,920	\$2,160	\$1,728	\$1,040	\$10,800	\$9,700	\$3,120	\$0	\$100	\$34,568
4.1	Breakwater Overtopping	4						20			\$4,304
4.2	Jetty/Trail Bridge Assessment	2				8				\$100	\$2,420
4.3	Principal Spillway Joints			8		34					\$9,072
4.4	Stilling Basin	6	6		4		30				\$9,932
4.5	Prepare Alternatives Assessment Report	8	4			8	20				\$8,840
Task 5	Bid & Construction Basin De-watering	\$5,920	\$648	\$0	\$780	\$648	\$10,864	\$0	\$0	\$0	\$18,860
5.1	Prepare Bid Documents	8					8				\$3,920
5.2	Contractor Coordination & Conduct Bid Letting	4					4				\$1,960
5.3	Make Bid Recommendation & Prepare Contracts	4					4				\$1,960
5.4	Observation and Inspection of De-watered Basin	4	3		3	3	40				\$11,020
Subtotal Hours		103.5	81	8	83	53	264	30	3		
Subtotal Costs		\$30,636	\$17,496	\$1,728	\$21,580	\$11,448	\$51,216	\$4,680	\$375	\$575	\$139,734
Total Estimated Costs		\$139,734									

Task Assumptions

- 3.1 Rain gage correlated radar-rainfall estimated precipitation values for July 2024 event applied to dam design hydrology. Determination of annual exceedance probability for rainfall depth, peak flow rate, and lake stage.
- 3.2 Reservoir routing of 2024 event and design events through jetty and spillway structures. Assessment of jetty using 2D HEC-RAS model. Assessment of spillway hydraulics based on dam design hydraulic report and CFD modeling. Assessment of downstream hydraulics using 2D HEC-RAS model. Calibration of analysis to lake stage data and drone captured imagery.

Task Descriptions and Project Phasing

Lake Wanahoo 2024 Repair

Phase I/IB Task Descriptions

Task 1 - Project Management – this task is comprised of normal project management duties including communication with NRD staff, management and Board, project administration and financial management. Also included in agency coordination with NEMA/FEMA on the funding grant and NDNR to discuss any proposed dam modifications that are subject to dam safety review.

Task 2 – Site Investigations – this task includes on-site surveys of damages and the development of a de-watering plan set to be bid to drain the apron and stilling basin area in order to better investigate damage or repairs necessary that are currently submerged.

Task 3 – Storm Forensics Hydrology and Hydraulics – this task includes the analysis of the 2024 storm including overall temporal/spatial precipitation within the contributing watershed, runoff at the dam and reservoir and attenuation provided by the dam. This information will be key in determining the chance occurrence of the storm and the benefit:cost analysis (BCA) FEMA will require in helping to justify any planned mitigation (improvements vs. repair.) This task also includes the development of a three-dimensional computational fluid dynamics (CFD) model that can help assess storm damage and identify mitigation alternatives that will help to prevent future damage during runoff events.

Task 4 – Alternatives Analysis – this task includes the identification and conceptual design of mitigation (improvement, not just repair) of the facilities damaged in the 2024 event. Conceptual images and costs for each will be prepared and accompany any mitigation dollars pursued by LPNNRD. The information will be summarized in a report/memo.

Task 5 – Basin De-watering Bid & Construction – this task includes the development of a set of bid documents (plan development included in Task 2) to publicly bid the de-watering of the stilling basin area for inspection. This task also includes construction observation time to monitor the de-watering and survey/inspect the basin once de-watered.

Project Phasing

Phase I: Mitigation Alternatives Analysis

Major Tasks:

1. Assist NRD with any repair work that is restoring damage to original condition.
2. Assess Mitigation Alternatives (Improvements to pre-damage conditions.)
 - a. Breakwater overtopping resiliency
 - b. Dam PS Conduit joints
 - c. Dam Stilling Basin
 - i. Matting protecting HDPE Gabions
 - ii. Rock Riprap Sizing
 - iii. East outlet channel bank stabilization
3. Summarize all costs of repairs and potential mitigation projects
4. Estimate funding scenarios (repair/mitigation split, FEMA/NEMA cost share, BCA potential)
5. Prepare Technical Memorandum
6. Assist NRD with any FEMA reporting/correspondence as required.

Phase 1B: Have contractor set up de-watering system using existing pressure relief wells and baseflow/seepage well by-pass system similar to what was used last time in apron/stilling basin repair and de-water the basin for a more thorough investigation BEFORE design of any repair/mitigation begins. Ultimately, the system would be used for the construction phase, so the only duplicate costs would be mobilization and energy used to pump the basin down for inspection. This would save us having to scramble during the construction phase if we pumped it down and didn't notice until then that there is something else that needs to be done and didn't have FEMA's commitment at that point to do the work.

Phase II: Design of Repairs/Mitigation Efforts

Major Tasks:

1. Prepare construction documents for selected repairs and mitigation projects (To include all work not already performed as emergency repairs by NRD to date.)
2. Document all design decisions in design memo for FEMA review.
3. Prepare all required permits for construction.
4. Prepare bidding documents/specifications in accordance with Federal guidelines.
5. Assist NRD with any FEMA reporting/correspondence as required.

Phase III: Bidding/Construction

Major Tasks:

1. Advertise Project for Bidding
2. Conduct Bid Letting
3. Work with NRD to Award Bid
4. Construction Observation Services during construction
5. Project closeout.
6. Assist NRD with any FEMA reporting/correspondence as required (Project Closeout.)

EVOLUTION FLAKE COLOR OPTIONS



AZTEC BEIGE



CHESTNUT



CORDWOOD



DOMINO



DRIFTWOOD



MEDITERRANEAN



MOUNT EVEREST

PEBBLE BEACH



PECAN



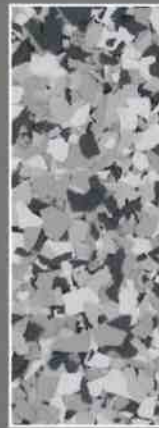
SANDSTONE



SILVER CREEK



SLATE STONE



SMOKE



TIDAL WAVE



HYBRID/TERRAZZO FLAKE COLOR OPTIONS

ANCHORAGE



ARMADILLO



CLAYSTONE



HUSKY



SHALE



SLATE



TURQUOISE





PROPOSAL

Prepared for:	November 14, 2024	No. 2620
Jon Speichiger 1655 Co Rd 16 Wahoo, NE 68066 jons@lpnrd.org (531) 510-4160	Midwest Concrete Coatings 719 Waverly Road, Murray, NE 68409 P: (402) 660-3583 midwestchs@gmail.com mwconcretecoatings.com	

Event Center & Bathrooms - Lake Wanhoo

Shower House/Bathrooms



Shower House/Bathrooms \$2,232.00

Quantity	Measurement	Selected Option
1	372 (sq. ft.)	Concrete with major repairs

Notes

4 Bathroom/Shower Houses - Penntek System - Grind, mend and repair cracks, chips and pits, Polyurea basecoat with chip system, Polyaspartic top coat - Commercial Warranty - Add Gator Crit

Color

Tidal Wave

2nd Top Coat		\$558.00
Quantity	Measurement	Selected Option
1	372 (Square Feet)	Additional Topcoat

Price: \$2,790.00

Miscellaneous



Miscellaneous

\$10,879.00

Quantity

1

Measurement

1978 (sq. ft.)

Selected Option

Concrete with minimal repairs

Notes

Event Center & Bathrooms - Penntek System - Grind, mend and repair cracks, chips and pits, Polyurea basecoat with chip system, Polyaspartic top coat - Commercial Warranty

Color

Cordwood

2nd Top Coat

\$1,978.00

Quantity

1

Measurement

1978 (Square Feet)

Selected Option

Minimum Price

Price: \$12,857.00

Pricing

Grand Total:

\$15,647.00

We require 40% down unless other arrangements have been agreed upon. The remaining balance is due upon completion of the job.

Invoicing & Payment. For residential jobs, payment is due in full upon completion. If client is not home when the job is completed, an invoice will be issued to Client and Client shall pay invoice within 3 days of Client's receipt of the invoice.

A late fee of \$25 a day will be assessed past the 3 days unless prior arrangements have been made with the office staff.

If there are minor touch ups needed, you are still required to pay the final payment, and a time will be arranged for us to come out and make the minor repairs. Sometimes it can take us a few weeks to get back to make small repairs due to our schedule and staffing, but we will make every effort to come back in a timely manner.

For commercial jobs, payment is due within 5 days unless prior arrangements have been made. For certain companies and businesses, we understand that there are certain approvals or time frames for payment. Please just communicate with us as to when payment could be expected based on the company policies.

Cancelling a job & deposit. If you need to cancel your installation for personal reasons, we will refund the full amount minus fees that we were charged for using a credit card or ACH payment at the time you paid the deposit. If you paid your deposit with check or cash, there will be no additional fees charged and the entire amount will be refunded. If your project involves custom order chips or special order product (metallic or grind & clear product), you will still be charged for the product out of your refund.

X

Jon Speichiger

X

Company Authorized Signature

Water Use Reports

Producers in the LPNNRD area
that are required to report:

- special quantity areas
- received a variance for a new well
- acre expansion in the last 10 years

Report online by December 15
at <http://producer.lpnnrd.org>



LOWER PLATTE NORTH
Natural Resources District

Water Use Reports

Producers in the LPNNRD area that are required to report:

- special quantity areas
- received a variance for a new well
- acre expansion in the last 10 years

Report online by December 15 at <http://producer.lpnnrd.org>



LOWER PLATTE NORTH
Natural Resources District

TREES & SHRUBS

Available for Spring delivery

Seedling handplants:
\$1.25 per tree or shrub

Call 402-443-4675 or visit
www.lpnrd.org



LOWER PLATTE NORTH
Natural Resources District

TREES & SHRUBS

Available for Spring delivery

Seedling handplants: \$1.25 per tree or shrub

Call 402-443-4675 or visit
www.lpnnrd.org/projects-and-programs/forestry

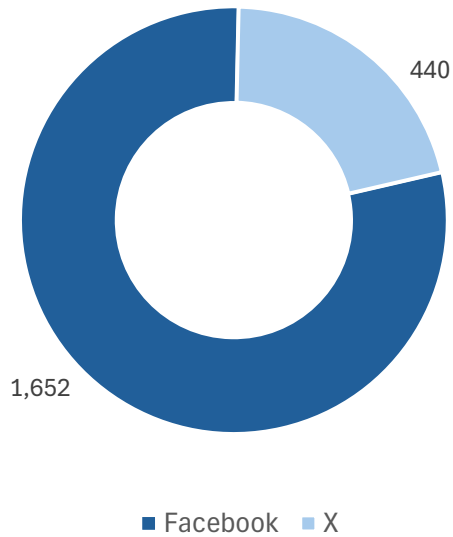


LOWER PLATTE NORTH
Natural Resources District

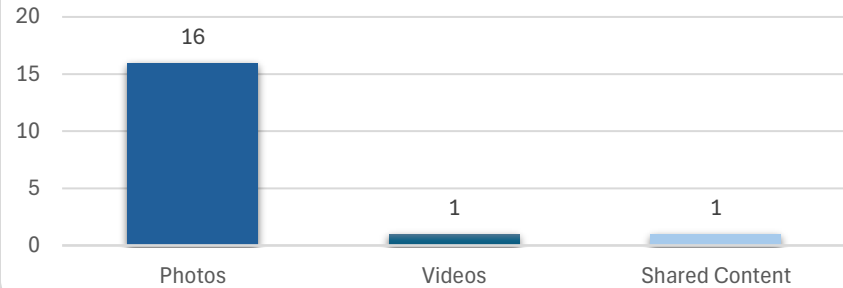


LOWER PLATTE NORTH Natural Resources District

Social Media Followers



November 1 - 24 Content



November 1- 24 Post Categories



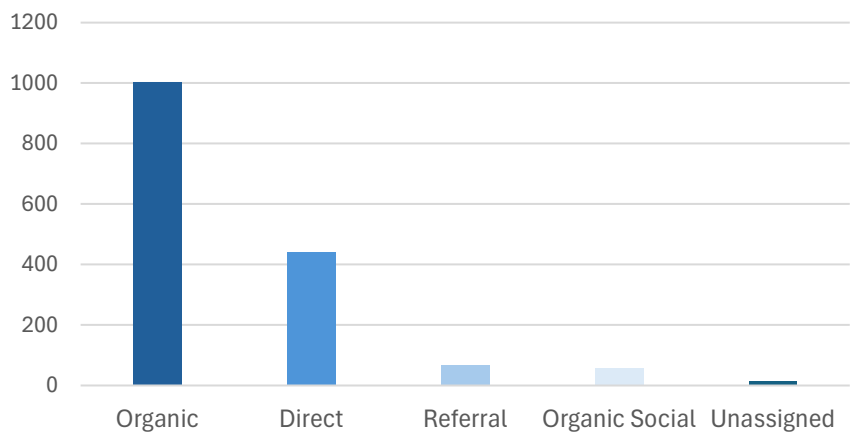
Facebook engagement ↓ .8%

X engagement ↓ .04%



LOWER PLATTE NORTH Natural Resources District

Traffic Channels

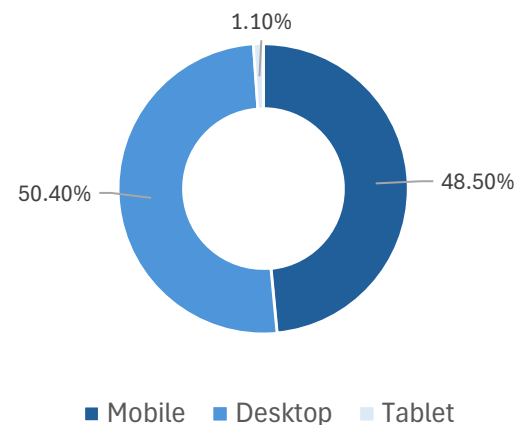


Users

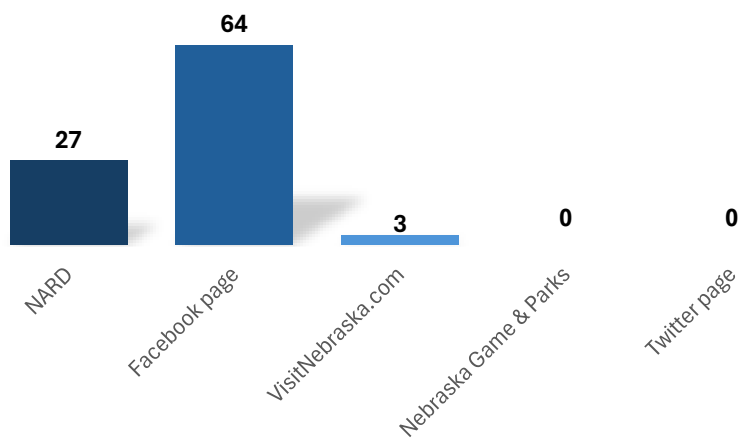


0.3%

Devices



Traffic By Type



Website Top 10 Pages by Users

