

Projects Committee Meeting
Thursday, October 29, 2020 7:30 AM
Lake Wanahoo Education Building
P.O. Box 126
Wahoo, NE 68066

1. UNFINISHED BUSINESS
No unfinished business to address.
2. SWCP
Elliott continues to work with our approved fall SWCP applicants and NRCS personnel in getting jobs ready for construction. At this point we have about 50% of our approved fall projects ready for construction.
 - A. SWCP Application Approvals
None presented.
 - B. SWCP Payments
None presented.
 - C. SWCP Cancellations
None presented.
 - D. Wahoo Creek Cost Share Approvals
None presented.
3. WATERSHEDS
 - A. Shell Creek
 1. Shell Creek Environmental Enhancement Plan Implementation
 - a. Tom Sprunk Bank Stabilization/Wetlands Project
The contractor has started construction on this project which should be completed in November.
 - b. Shell Creek Grant Funding Update
No new information. We have \$365,000 grant funds from NDEE and \$90,000 available from NET to assist with upcoming Shell Creek erosion/water quality projects. A significant amount of these funds will be used toward assisting with with the Shell Creek Channel Improvement/ Benching Project near Schuyler.
 - c. Shell Creek Septic System Upgrade Application
David Geilenkirchen - \$4800.00
 - d. Shell Creek Septic System Upgrade Payment
Brandon Groteluschen - Work has been completed on his approved septic system upgrade. Bill Bos inspected the work and contractor has submitted a bill for \$8,700.22.
Groteluschen has been approved for up to \$4800.00 of cost-

share through our Shell Creek NDEE Water Quality Phase 2 grant.

B. Wahoo Creek Watershed

1. Wahoo Creek Dam Site Planning Update & FYRA Invoices

Update on Wahoo Creek Economics - Ryan Roenigk, FYRA (attachment):

"Attached is an update on Wahoo Econ. I can add more detail if needed but basically I am working on developing a toolbox in ArcMap to combine the rasters, store the info in a way that can be easily read and combined with the depth-damage values, and determine a damage amount. A sample reach will be analyzed once a working version of the toolbox has been developed. I would estimate about 2 weeks out from having the toolbox completed. Connor mentioned he had to take a look at the HEC-RAS model first before getting the updated inundation extents. Those will be needed in order for the results of the first reach. But if the toolbox is ready within a couple weeks it should be easy enough to get the results as soon as the HEC-RAS outputs are ready."

Update on Wahoo Creek Cultural Resource Review - Melissa Baier, NRCS Archeologist:

"The disappointing news to report is that I haven't been able to work on Wahoo Creek for a while. I had a bunch of EQIP projects that had to get finished before the funding deadline and those took up every minute of July, August, and September. October was supposed to be when I got back to watershed work, but then I had travel for training, fieldwork, and vacation. The year is slipping by rapidly, as you mentioned in the message, but I do still have plans for getting at least the Omaha Nation representatives out for a site visit this year. The Pawnee and Otoe are still under travel restrictions because of Covid, so I'll have to get creative on how to do a site visit for them. The Omaha are a more pressing concern though as I need to figure out what they really want, so I want to meet with them on site to get a better idea of how to resolve our issues. My agenda this week is to send out an email to Thomas Parker to see if there is a day in November that would work to meet with them on site (Site 83) and then call the landowners for permission to access those areas. I'll let you know which day so you can come too. "

On November 3rd, we received two invoices as attached from FYRA Engineering for contract work completed on the Wahoo Creek Watershed Plan. One invoice (8/1/20 through 10/2/20) is for \$3,639 and the other for \$13,892 (10/3 through 10/23/20) for a

combined total of \$17,531. After these payments, \$77,938 remains on our \$95,469 contract addendum.

2. Wahoo Creek Watershed Water Quality Plan Phase II
Reimbursement requests and reports are being submitted to Nebraska Environmental Trust (NET) and Nebraska Department of Environment and Energy (NDEE) for the recently completed Mike Chvatal Dam and Lands for Conservation Payments.
3. Olsson Design Update and Invoice
No new information. Olsson is basically on hold until the watershed plan is approved by NRCS.
4. JOINT WATER MANAGEMENT ADVISORY BOARD
 - A. Platte River Breach Repair Project (Rod & Gun Club) Interlocal Agreement
As discussed at LPNNRD's October Board Meeting, while LPNNRD has signed our portion of the Rod & Gun Club Interlocal Agreement (attached) , both Fremont and the Rod and Gun Club have had second thoughts and requested some changes before signing. Attached is the latest draft, that I assume will be close to the final document. This does not change LPNNRD's commitments or subject us to increased liability, since the changes suggest more City and County involvement. There could be additional changes before its all said and done, but we have made it clear that LPNNRD would not be interested in signing contracts or talking on liability.

The Projects Committee is requested to review and recommend approval for potential Board action on November 9th.
 - B. North Bend Drainage District Project
North Bend Drainage District, Fremont, Dodge County, FYRA and LPNNRD have participated in partner and conference calls with FEMA to ask questions on the best path for submitting the HMGP assistance application (attached). Dodge County, with FYRA's assistance, have been in the lead through the application process with other partner input. After much discussion, it appears that the best route will be to apply for FEMA assistance in two phases, one for engineering and another for construction. This will ensure that FEMA will provide 75% assistance for the engineering expense, even if it is determined at the end of that phase that a project isn't feasible.
5. HAZARD MITIGATION PLAN UPDATE
As reported earlier, the LPNNRD Hazard Mitigation Plan has been approved and JEO continues to work with obtaining approved plan resolutions from communities and other entities. The flood risk assessments for Fremont and Schuyler are complete and both have reimbursed LPNNRD their 25% of the local share. JEO is assisting with the final phases of the dam breach overlay districts for Saunders County, Wahoo, Prague and Yutan.
6. EROSION AND SEDIMENT RULES AND REGULATIONS
7. OTHER

- A. SID No. 8 (Woodcliff) Project Assistance Requests (attachment)
The Sanitary & Improvement District No.8 (Woodcliff) has submitted assistance requests for project repair of their existing bank stabilization project and also for a new road raise project at the same location (letter attached). This is the first LPNNRD has been informed of these projects and construction is well underway on much of the project.

The SID's first request is for assistance on the local share for repairing 2019 flood damages to their bank stabilization project. Their letter stated that they are working with FEMA/NEMA to receive up to 87.5% federal/state cost share assistance for on the repairs (approx. \$300,000) and additional road protection along an area by their lagoons approx. (approx. \$700,000), The SID's estimated local 12.5% on the repair was stated as \$137,000. LPNNRD approved \$300,000 assistance toward the original bank stabilization project and has made three \$75,000 payments (\$225,000) thus far, with one \$75,000 payment remaining this fiscal year.

The SID's second request is for \$400,000, which is 50% of an estimated \$800,000 for a road raise flood risk reduction project (engineering and construction). We have been informed that this project is 75% complete with the remaining work to be completed soon.

Since we just received these requests, staff felt it best present to discuss the requests with both the Projects and Operations Committees before inviting SID representatives to elaborate. While we have budgeted funds for flood damage repairs under Interlocal Project Emergency Repairs and the Rock and Jetty Program, there no budgeted funds available for the road raise project this fiscal year.

Mountford has asked the JEO project engineer and an SID representative attend the December 3, 2020 committee meeting to provide project details and present their assistance requests. It was explained that LPNNRD policy requires that assistance requests need approval prior to work being completed.

8. ADJOURNMENT

The Project Committee Meeting adjourned at 8:25 a.m.

SWCP Monthly Report

SWCP # STATUS NAME

APPROVED SMALL DAM PROJECTS:

15-S-12 Approved Mike Chvatal

APPROVED SUMMER PROJECTS:

20-S-1	Dennis Beranek
20-S-2	Randy Beranek
20-S-3	Rick Beranek
20-S-4	Elaine Kaspar
20-C-1	Louis Lutjelusche*
20-C-2	Terry & Spring Wendt*
20-C-3	Randy Brabec*
20-P-1	Keith Runge*
20-P-2	Jeff Lusche*
20-D-1	Diers Family Farm

TOTAL SUMMER APPROVALS

APPROVED FALL PROJECTS:

20-B-1	Joseph Hanis
20-B-2	Dwayne Lanc
20-S-5	John Kaspar
20-S-6	Dave Vrana
20-S-7	Robert & Linda Fickes
20-S-8	Dennis Brabec*
20-P-3	Merlin Groteluschen*



TOTAL FALL APPROVALS

TOTAL FY20 SWCP APPROVAL



PAID PROJECTS

SWCP #	STATUS	NAME
20-C-2	PAID	Terry & Spring Wendt*
20-P-2	PAID	Jeff Lusche*
20-S-1	PAID	Dennis Beranek
20-S-2	PAID	Randy Beranek
20-S-3	PAID	Rick Beranek
19-S-5	PAID	Hartman Family Trust
20-C-3	PAID	Randy Brabec*

Total SWCP PAID:



September 3, 2020

SWCP LOCAL
SWCP TREE ALLOCATION
STATE ALLOCATION
CASH CARRY-OVER
AMOUNT SPENT
CASH BALANCE
ALLOCATION %

AMOUNT PROJECT

\$ 46,356.00 Small Dam

\$ 10,000.00 TOT

\$ 10,000.00 TOT

\$ 10,000.00 TOT

\$ 12,500.00 WASCOB/TO

\$ 12,123.00 Planned grazing system

\$ 12,500.00 Planned grazing system

\$ 6,534.56 Grass Waterway

\$ 11,276.95 Livestock well (solar)

\$ 10,759.69 Livestock well (solar)

\$ 18,964.65 Livestock well (solar)

\$ 114,658.85

\$ 12,500.00 WASCOB w/ TO

\$ 12,500.00 TOT/WASCOB w/TO

\$ (12,500.00) TOT/WASCOB w/TO

\$ 3,210.00 Terrace enlargement

\$ 10,000.00 TOT/WASCOB w/TO

\$ 20,130.09 Grassed Waterway

\$ 6,653.05 Livestock well/forage planting

\$ 6,044.25 TOT

\$ 58,537.39

\$ 173,196.24

LANDS FOR CONSERVATION

	AMOUNT	PROJECT	Name
\$	7,464.60	Planned Grazing System	MARVIN PTACEK
\$	7,866.78	Livestock well (solar)	STEVE VASA
\$	7,866.90	TOT	GREGG FUJAN
\$	3,850.83	TOT	ROGER FUJAN
\$	5,961.97	TOT	MARCELLA BARTEK TRUST
\$	12,109.52	TOT	ROBERT POKORNY
\$	711.86	Grass Waterway	CARL & DOROTHY PETERSON TRUST
			GEORGE CEJKA
			GARY PROCHASKA

TOTALS

SHELL CREEK SEP

Name

JAMES BROCK

RANDY BRABEC

JOHN SONDERMAN

BRANDON GROTELUSCHEN

TOTAL

\$

45,832.46

TOTAL

\$25,000.00

\$3,000.00

\$83,029.99

\$0.00

\$45,832.46

\$62,197.53

156%

SHELL CREEK FUND







VATION (GRANT FUNDED)

Acres	Amount
24	\$ 4,752.00
16	\$ 3,168.00
10	\$ 1,980.00
13	\$ 2,574.00
16	\$ 3,168.00
42	\$ 8,316.00
38	\$ 7,524.00
5	\$ 990.00
14	\$ 2,772.00
178	\$ 12,474.00

TIC SYSTEM

Amount

\$ 4,800.00

\$ 4,800.00

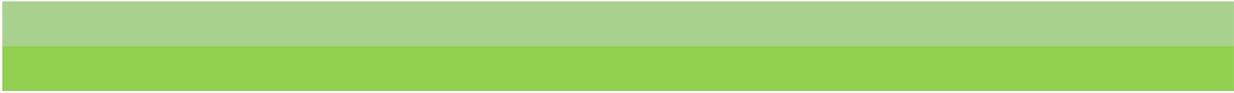
\$ 4,800.00

\$ 4,800.00

\$ 19,200.00

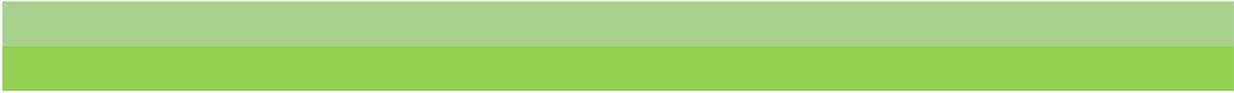
\$ 38,400.00





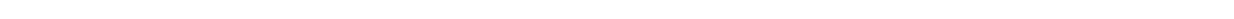
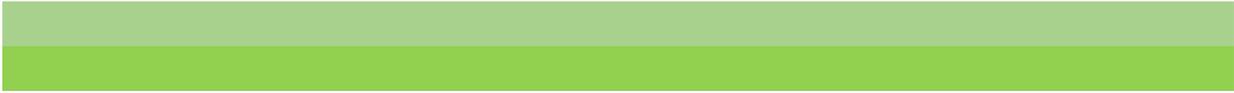






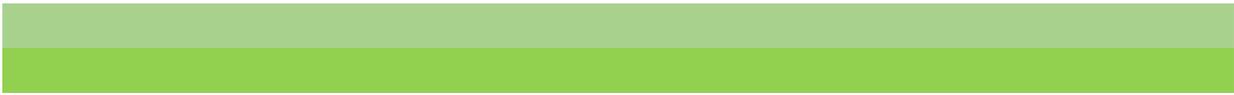






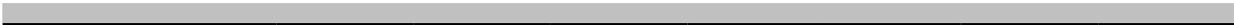
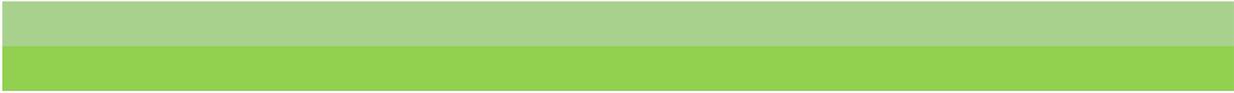






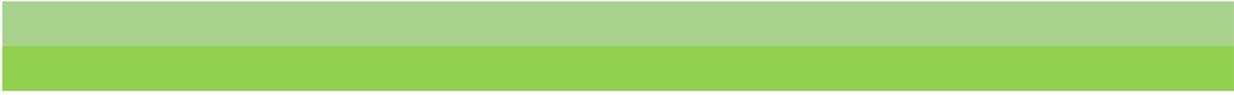






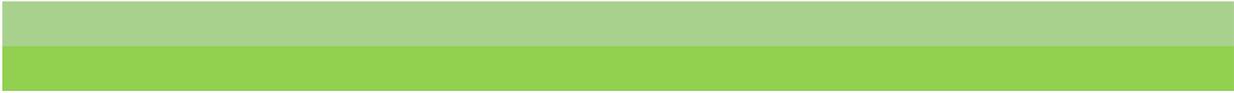






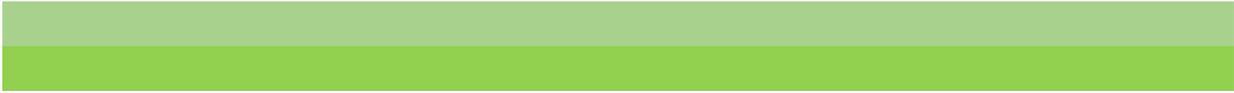






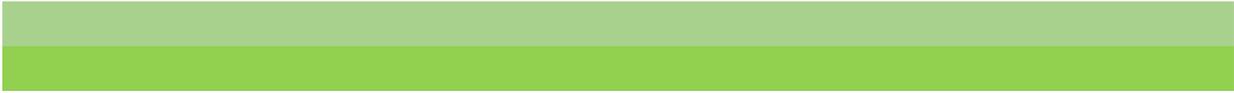






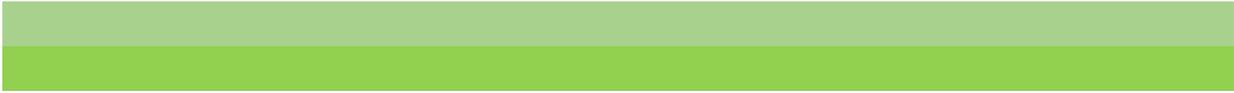






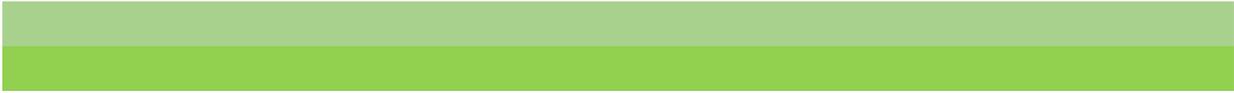






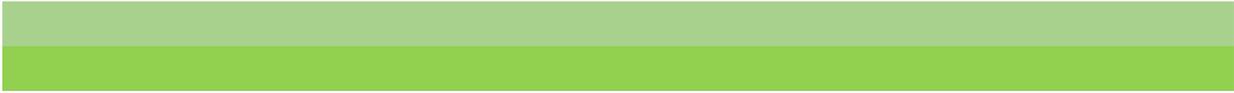






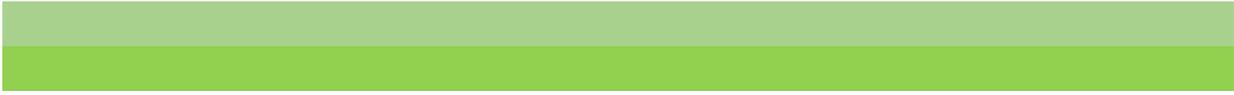






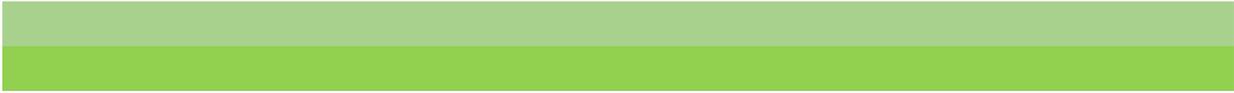






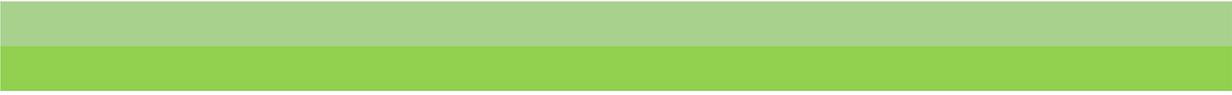






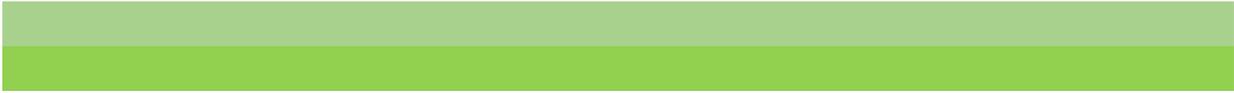






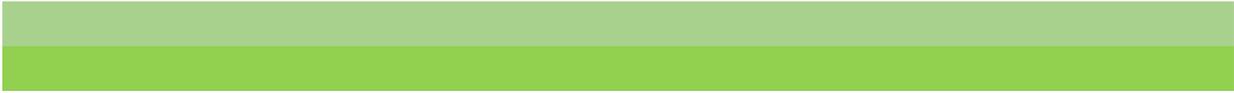






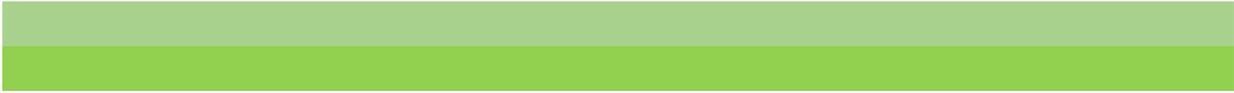












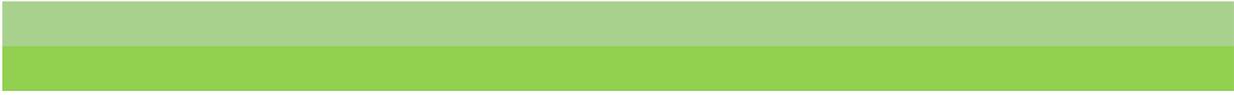






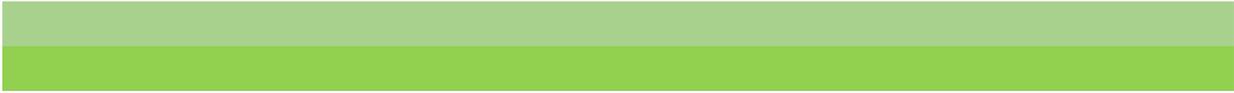






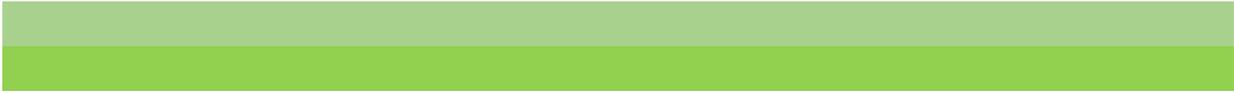






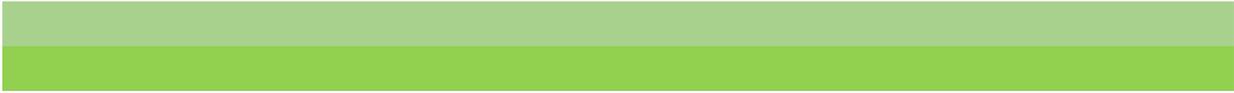






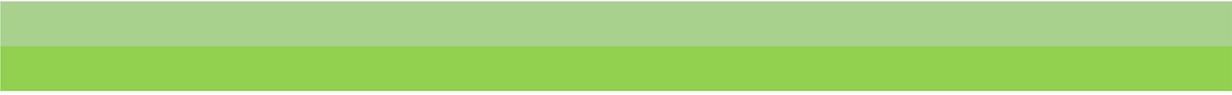
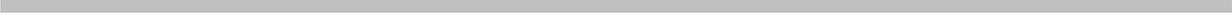






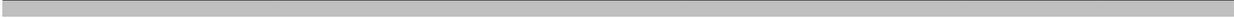
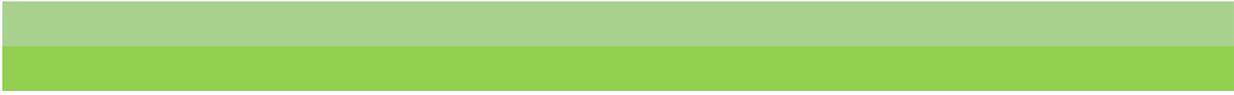






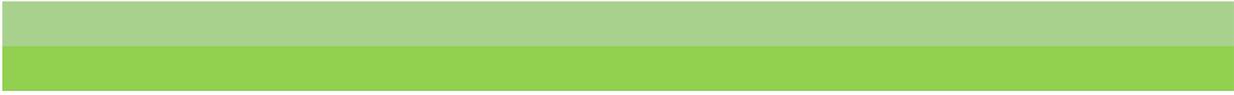






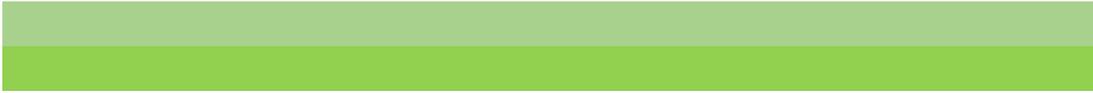


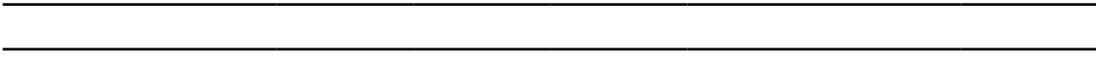












BID SCHEDULE
TOM SPRUNK GRADE STABILIZATION SPILLWAY DROP STRUCTURE

BID ITEM	SPEC NO.	QUANTITY	UNITS	UNIT PRICE	TOTAL COST
Mobilization	-	1	Lump Sum	200.00	200.00
Site Preparation & Structure Removal	1	1	Lump Sum	600.00	600.00
Excavation	21				
-Stripping		60	CY	3.10	186.00
-Foundation/Structure Excavation		670	CY	3.50	2345.00
Earthfill*	10,11,23				
-Embankment + Structure Backfill		200	CY	8.50	1,700.00
-Topdressing		60	CY	4.00	240.00
Aluminum Drop Spillway Structure	81	1	EA	6050.00	6050.00
Reinforced Concrete, 3500 psi	32	6.6	CY	2365.5	15,572.40
Reinforcing Steel, #4, 60K	32	334	LBS	22.97	7673.82
Drain Fill, ASTM C33 or NDOT 47B	24	1.3	CY	153.84	200.00
Rock Rip Rap, NDOT Type "B"	61	95	CY	112.92	10,727.40
Non-Woven Geotextile, Class III	95	327	SY	2.05	669.25
Critical Area Seeding	6	1	AC		
Total Bid =					46170.77

* Earthfill quantities are in-place neat-line (1:1 compaction, method spec)

Wernhoff Construction
P.O. Box 257
Platte Center, NE 68653-0257

Company Name	Address	City	State
			
Signature	Date		
	9-18-2020		



FYRA Engineering, LLC

12702 Westport Parkway, Suite 300
 Omaha, NE 68138
 Phone: 402.502.7131
 Fax: 402.932.6940

INVOICE FOR SERVICES

Lower Platte North NRD
Tom Mountford
511 Commercial Park Road
Wahoo, NE 68066

DATE: 8 October 2020
PROJECT NO.: 022-17-02
PERIOD COVERED: 1 Aug 2020 Through 2 Oct 2020
INVOICE NO.: 022-047
FED ID: 45-5611118

Project Name: Wahoo Creek Watershed Plan/EA
Contract Amount: \$574,990.00
31 Oct 2019 Addendum Amount: \$48,000.00
Contract Date: 8 December 2017
3 Sep 2020 Addendum Amount: \$95,469.00
Contract Date: 3 September 2020

022-17-02-5-Additional services for the Wahoo Creek Watershed Plan-EA

Description	Employee	Billing Rate	Hours	Current Due
Principal	Sotak, Mike	\$ 205.00	2.25 \$	461.25
Engineer	Kaufman, Janel	\$ 150.00	1.00 \$	150.00
Engineer Intern	Kelley, Connor	\$ 102.00	1.00 \$	102.00
022-17-02-5-Additional services for the Wahoo Creek Watershed Plan-EA			4.25 \$	713.25

022-17-02-6.01-Additional Services-Economics-Project Management

Description	Employee	Billing Rate	Hours	Current Due
Principal	Sotak, Mike	\$ 205.00	2.75 \$	563.75
Engineer	Kaufman, Janel	\$ 150.00	0.25 \$	37.50
Admin	Stratton, Ann	\$ 75.00	1.00 \$	75.00
022-17-02-6.01-Additional Services-Economics-Project Management			4.00 \$	676.25

022-17-02-6.02-Additional Services-Economics-Flood Damage Reduction Economics

Description	Employee	Billing Rate	Hours	Current Due
Engineer Intern	Roenigk, Ryan	\$ 102.00	11.00 \$	1,122.00
022-17-02-6.02-Additional Services-Economics-Flood Damage Reduction Economics			11.00 \$	1,122.00

022-17-02-6.03-Additional Services-Economics-Revised Plan Economics

Description	Employee	Billing Rate	Hours	Current Due
Principal	Sotak, Mike	\$ 205.00	5.50 \$	1,127.50
022-17-02-6.03-Additional Services-Economics-Revised Plan Economics			5.50 \$	1,127.50

TOTAL DUE CURRENT INVOICE: \$ 3,639.00

CONTRACT AMOUNT: \$718,459.00
PREVIOUS BILLING: \$ 622,990.00
CURRENT INVOICE: \$ 3,639.00
TOTAL INV'D. TO DATE: \$ 626,629.00
CONTRACT REMAINING: \$ 91,830.00

FYRA Engineering, LLC
 12702 Westport Parkway, Suite 300
 Omaha, NE 68138

Lower Platte North NRD
 Tom Mountford
 511 Commercial Park Road
 Wahoo, NE 68066

DATE: 8 October 2020
 PROJECT NO.: 022-17-02
 PERIOD COVERED: 1 Aug 2020 Through 2 Oct 2020
 INVOICE NO.: 022-047
 FED ID: 45-5611118

Project Name: Wahoo Creek Watershed Plan/EA
 Contract Amount: \$574,990.00
 31 Oct 2019 Addendum Amount: \$48,000.00
 Contract Date: 8 December 2017
 3 Sep 2020 Addendum Amount: \$95,469.00
 Contract Date: 3 September 2020

Summary for Invoice: 022-039
 Project Name: Wahoo Creek Watershed Plan/EA

Tasks	Contracted Fee	Previously Billed	This Invoice	Total To Date
022-17-02-1.01 Coord Meetings w/LPNNRD	\$ 5,724	\$ 16,175.49	\$ -	\$ 16,175.49
022-17-02-1.02-Coord Meetings w/NRCS	\$ 8,904	\$ 11,366.25	\$ -	\$ 11,366.25
022-17-02-1.03-Project Meetings	\$ 49,372	\$ 23,605.04	\$ -	\$ 23,605.04
022-17-02-1.04-Monthly Invoicing/Schedule	\$ 7,875	\$ 13,510.50	\$ -	\$ 13,510.50
022-17-02-1.05-Project Scoping	\$ 7,170	\$ 7,068.75	\$ -	\$ 7,068.75
022-17-02-1.06-Plan Review	\$ 6,740	\$ 24,541.09	\$ -	\$ 24,541.09
022-17-02-2.01-Develop, Write & Summarize Plan	\$ 60,100	\$ 83,011.48	\$ -	\$ 83,011.48
022-17-02-2.02-Maintain Admin Record	\$ 3,560	\$ 859.25	\$ -	\$ 859.25
022-17-02-2.03-Develop and Describe Purpose & Need	\$ 2,320	\$ 1,820.00	\$ -	\$ 1,820.00
022-17-02-2.04-Formulate, Describe & Compare Alternatives	\$ 27,270	\$ 19,239.25	\$ -	\$ 19,239.25
022-17-02-2.05-Collect & Analyze Social/Demographic Data	\$ 1,435	\$ 1,562.50	\$ -	\$ 1,562.50
022-17-02-2.06-Historic & Cultural Resources	\$ 675	\$ 9,869.00	\$ -	\$ 9,869.00
022-17-02-2.07-Prime & Unique Farmland	\$ 675	\$ 2,404.75	\$ -	\$ 2,404.75
022-17-02-2.08-Identify Wetlands & Other Water Bodies	\$ 117,145	\$ 102,862.36	\$ -	\$ 102,862.36
022-17-02-2.09-Collect Soils Data	\$ 810	\$ -	\$ -	\$ -
022-17-02-2.10-Identify and Analyze Soil Erosion	\$ 810	\$ 1,952.75	\$ -	\$ 1,952.75
022-17-02-2.11-Collect & Analyze Floodplain Data	\$ 3,900	\$ 6,521.00	\$ -	\$ 6,521.00
022-17-02-2.12-Collect & Analyze Data on Critical Areas	\$ 6,300	\$ 3,071.00	\$ -	\$ 3,071.00
022-17-02-2.13-Identify Land Use and Crop Inventory	\$ 810	\$ 1,125.00	\$ -	\$ 1,125.00
022-17-02-2.14-T&E Species & Migratory Birds	\$ 11,500	\$ 12,192.50	\$ -	\$ 12,192.50
022-17-02-2.15-Consumptive Use Data	\$ 1,840	\$ 1,366.50	\$ -	\$ 1,366.50
022-17-02-2.16-Effects on Public Health & Safety	\$ 4,440	\$ 1,936.00	\$ -	\$ 1,936.00
022-17-02-2.17-Effects to Homes/Bus/Ag	\$ 4,440	\$ 4,124.75	\$ -	\$ 4,124.75
022-17-02-2.18-Cummulative Impacts	\$ 11,080	\$ 2,821.25	\$ -	\$ 2,821.25
022-17-02-2.19-Federal, State & Local Permits	\$ 1,790	\$ 1,775.00	\$ -	\$ 1,775.00
022-17-02-2.20-Conflicts w/Other Plans	\$ 4,460	\$ 3,822.50	\$ -	\$ 3,822.50
022-17-02-2.21-Interagency & Public Involvement	\$ 2,940	\$ 5,197.02	\$ -	\$ 5,197.02
022-17-02-2.22-Risk & Uncertainty	\$ 4,880	\$ 4,292.00	\$ -	\$ 4,292.00
022-17-02-2.23-Preferred Alternatives Discussion	\$ 11,840	\$ 14,006.00	\$ -	\$ 14,006.00
022-17-02-2.24-Mitigation Features	\$ 6,760	\$ 4,486.00	\$ -	\$ 4,486.00
022-17-02-2.25-Hydrologic Investigation	\$ 26,460	\$ 33,403.25	\$ -	\$ 33,403.25
022-17-02-2.26-Economic Data & Discussion	\$ 14,640	\$ 51,211.00	\$ -	\$ 51,211.00
022-17-02-2.27-Installation & Financing	\$ 2,600	\$ 775.00	\$ -	\$ 775.00
022-17-02-2.28-Operations, Maintenance & Replacement	\$ 3,240	\$ 740.00	\$ -	\$ 740.00
022-17-02-2.29-Project Maps	\$ 24,850	\$ 28,438.25	\$ -	\$ 28,438.25
022-17-02-2.30-Utility Investigations	\$ 5,200	\$ 1,940.00	\$ -	\$ 1,940.00
022-17-02-2.31-Recreation Site 77 Planning	\$ 7,350	\$ -	\$ -	\$ -
022-17-02-3.01-Interagency Scoping Mtg	\$ 10,720	\$ 6,396.50	\$ -	\$ 6,396.50
022-17-02-3.02-Agency Coord	\$ 7,680	\$ 6,181.00	\$ -	\$ 6,181.00
022-17-02-4.01-Breach Analysis	\$ 26,343	\$ 36,054.50	\$ -	\$ 36,054.50
022-17-02-4.02-Hydraulics/Structure Sizing	\$ 19,244	\$ 30,321.25	\$ -	\$ 30,321.25
022-17-02-4.03-Develop Land Rights & Structure Costs	\$ 29,784	\$ 29,048.25	\$ -	\$ 29,048.25
022-17-02-4.04-Land Rights Assessment	\$ 4,534	\$ 1,496.25	\$ -	\$ 1,496.25
022-17-02-4.05-Site Survey	\$ 14,779	\$ 5,080.00	\$ -	\$ 5,080.00
022-17-02-5-Additional services for the Wahoo Creek Watershed Plan-EA	\$ 48,000	\$ 5,319.77	\$ 713.25	\$ 6,033.02
022-17-02-6.01-Additional Services-Economics-Project Management	\$ 8,329	\$ -	\$ 676.25	\$ 676.25
022-17-02-6.02-Additional Services-Economics-Flood Damage Reduction Economics	\$ 64,690	\$ -	\$ 1,122.00	\$ 1,122.00
022-17-02-6.03-Additional Services-Economics-Revised Plan Economics	\$ 22,450	\$ -	\$ 1,127.50	\$ 1,127.50
Totals:	\$ 718,459	\$ 622,990.00	\$ 3,639.00	\$ 626,629.00



FYRA Engineering, LLC
 12702 Westport Parkway, Suite 300
 Omaha, NE 68138
 Phone: 402.502.7131
 Fax: 402.932.6940

INVOICE FOR SERVICES

Lower Platte North NRD
Tom Mountford
511 Commercial Park Road
Wahoo, NE 68066

DATE: 28 October 2020
PROJECT NO.: 022-17-02
PERIOD COVERED: 3 Oct 2020 Through 23 Oct 2020
INVOICE NO.: 022-048
FED ID: 45-5611118

Project Name: Wahoo Creek Watershed Plan/EA
Contract Amount: \$574,990.00
31 Oct 2019 Addendum Amount: \$48,000.00
Contract Date: 8 December 2017
3 Sep 2020 Addendum Amount: \$95,469.00
Contract Date: 3 September 2020

022-17-02-6.01-Additional Services-Economics-Project Management

Description	Employee	Billing Rate	Hours	Current Due
Principal	Sotak, Mike	\$ 205.00	4.00 \$	820.00
Engineer	Kaufman, Janel	\$ 150.00	1.50 \$	225.00
Admin	Stratton, Ann	\$ 75.00	0.50 \$	37.50
022-17-02-6.01-Additional Services-Economics-Project Management			6.00 \$	1,082.50

022-17-02-6.02-Additional Services-Economics-Flood Damage

Reduction Economics

Description	Employee	Billing Rate	Hours	Current Due
Engineer Intern	Roenigk, Ryan	\$ 102.00	74.00 \$	7,548.00
Engineer Intern	Suing, Eric	\$ 102.00	15.00 \$	1,530.00
Student Intern	Garder, Jacob	\$ 65.00	0.50 \$	32.50
022-17-02-6.02-Additional Services-Economics-Flood Damage Reduction Economics			89.50 \$	9,110.50

022-17-02-6.03-Additional Services-Economics-Revised Plan Economics

Description	Employee	Billing Rate	Hours	Current Due
Principal	Sotak, Mike	\$ 205.00	1.50 \$	307.50
Engineer Intern	Kelley, Connor	\$ 102.00	33.25 \$	3,391.50
022-17-02-6.03-Additional Services-Economics-Revised Plan Economics			34.75 \$	3,699.00

TOTAL DUE CURRENT INVOICE: \$ 13,892.00

CONTRACT AMOUNT: \$ 718,459.00
PREVIOUS BILLING: \$ 626,629.00
CURRENT INVOICE: \$ 13,892.00
TOTAL INV'D. TO DATE: \$ 640,521.00
CONTRACT REMAINING: \$ 77,938.00

FYRA Engineering, LLC
 12702 Westport Parkway, Suite 300
 Omaha, NE 68138

Lower Platte North NRD
 Tom Mountford
 511 Commercial Park Road
 Wahoo, NE 68066

DATE: 28 October 2020
 PROJECT NO.: 022-17-02
 PERIOD COVERED: 3 Oct 2020 Through 23 Oct 2020
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Project Name: Wahoo Creek Watershed Plan/EA
 Contract Amount: \$574,990.00
 31 Oct 2019 Addendum Amount: \$48,000.00
 Contract Date: 8 December 2017
 3 Sep 2020 Addendum Amount: \$95,469.00
 Contract Date: 3 September 2020

Summary for Invoice: 022-039
 Project Name: Wahoo Creek Watershed Plan/EA

Tasks	Contracted Fee	Previously Billed	This Invoice	Total To Date
022-17-02-1.01 Coord Meetings w/LPNNRD	\$ 5,724	\$ 16,175.49	\$ -	\$ 16,175.49
022-17-02-1.02-Coord Meetings w/NRCS	\$ 8,904	\$ 11,366.25	\$ -	\$ 11,366.25
022-17-02-1.03-Project Meetings	\$ 49,372	\$ 23,605.04	\$ -	\$ 23,605.04
022-17-02-1.04-Monthly Invoicing/Schedule	\$ 7,875	\$ 13,510.50	\$ -	\$ 13,510.50
022-17-02-1.05-Project Scoping	\$ 7,170	\$ 7,068.75	\$ -	\$ 7,068.75
022-17-02-1.06-Plan Review	\$ 6,740	\$ 24,541.09	\$ -	\$ 24,541.09
022-17-02-2.01-Develop, Write & Summarize Plan	\$ 60,100	\$ 83,011.48	\$ -	\$ 83,011.48
022-17-02-2.02-Maintain Admin Record	\$ 3,560	\$ 859.25	\$ -	\$ 859.25
022-17-02-2.03-Develop and Describe Purpose & Need	\$ 2,320	\$ 1,820.00	\$ -	\$ 1,820.00
022-17-02-2.04-Formulate, Describe & Compare Alternatives	\$ 27,270	\$ 19,239.25	\$ -	\$ 19,239.25
022-17-02-2.05-Collect & Analyze Social/Demographic Data	\$ 1,435	\$ 1,562.50	\$ -	\$ 1,562.50
022-17-02-2.06-Historic & Cultural Resources	\$ 675	\$ 9,869.00	\$ -	\$ 9,869.00
022-17-02-2.07-Prime & Unique Farmland	\$ 675	\$ 2,404.75	\$ -	\$ 2,404.75
022-17-02-2.08-Identify Wetlands & Other Water Bodies	\$ 117,145	\$ 102,862.36	\$ -	\$ 102,862.36
022-17-02-2.09-Collect Soils Data	\$ 810	\$ -	\$ -	\$ -
022-17-02-2.10-Identify and Analyze Soil Erosion	\$ 810	\$ 1,952.75	\$ -	\$ 1,952.75
022-17-02-2.11-Collect & Analyze Floodplain Data	\$ 3,900	\$ 6,521.00	\$ -	\$ 6,521.00
022-17-02-2.12-Collect & Analyze Data on Critical Areas	\$ 6,300	\$ 3,071.00	\$ -	\$ 3,071.00
022-17-02-2.13-Identify Land Use and Crop Inventory	\$ 810	\$ 1,125.00	\$ -	\$ 1,125.00
022-17-02-2.14-T&E Species & Migratory Birds	\$ 11,500	\$ 12,192.50	\$ -	\$ 12,192.50
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022-17-02-2.16-Effects on Public Health & Safety	\$ 4,440	\$ 1,936.00	\$ -	\$ 1,936.00
022-17-02-2.17-Effects to Homes/Bus/Ag	\$ 4,440	\$ 4,124.75	\$ -	\$ 4,124.75
022-17-02-2.18-Cummulative Impacts	\$ 11,080	\$ 2,821.25	\$ -	\$ 2,821.25
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022-17-02-2.20-Conflicts w/Other Plans	\$ 4,460	\$ 3,822.50	\$ -	\$ 3,822.50
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022-17-02-2.29-Project Maps	\$ 24,850	\$ 28,438.25	\$ -	\$ 28,438.25
022-17-02-2.30-Utility Investigations	\$ 5,200	\$ 1,940.00	\$ -	\$ 1,940.00
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022-17-02-4.04-Land Rights Assessment	\$ 4,534	\$ 1,496.25	\$ -	\$ 1,496.25
022-17-02-4.05-Site Survey	\$ 14,779	\$ 5,080.00	\$ -	\$ 5,080.00
022-17-02-5-Additional services for the Wahoo Creek Watershed Plan-EA	\$ 48,000	\$ 6,033.02	\$ -	\$ 6,033.02
022-17-02-6.01-Additional Services-Economics-Project Management	\$ 8,329	\$ 676.25	\$ 1,082.50	\$ 1,758.75
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022-17-02-6.03-Additional Services-Economics-Revised Plan Economics	\$ 22,450	\$ 1,127.50	\$ 3,699.00	\$ 4,826.50
Totals:	\$ 718,459	\$ 626,629.00	\$ 13,892.00	\$ 640,521.00

Update for Wahoo Creek Economics

2020.10.27

To analyze the economic benefits that the project will have, a Toolbox has been created within Esri's ArcMap software. The Toolbox will contain models to analyze raster data along with depth-damage relationship data for different crop types. Currently a model has been developed to combine land cover raster data and HEC-RAS output raster data containing inundation depth values. Depth-damage relationship data from a previous program called ECON2 has been gathered and is currently being incorporated into a model to determine the damages that are expected to occur. The next step is to combine the raster datasets together along with the depth-damage values to determine a damage amount for each storm event. From there, an average annualized damage value can be determined for pre and post project conditions. ArcMap Model Builder and Microsoft Excel will be used to finalize the tool.

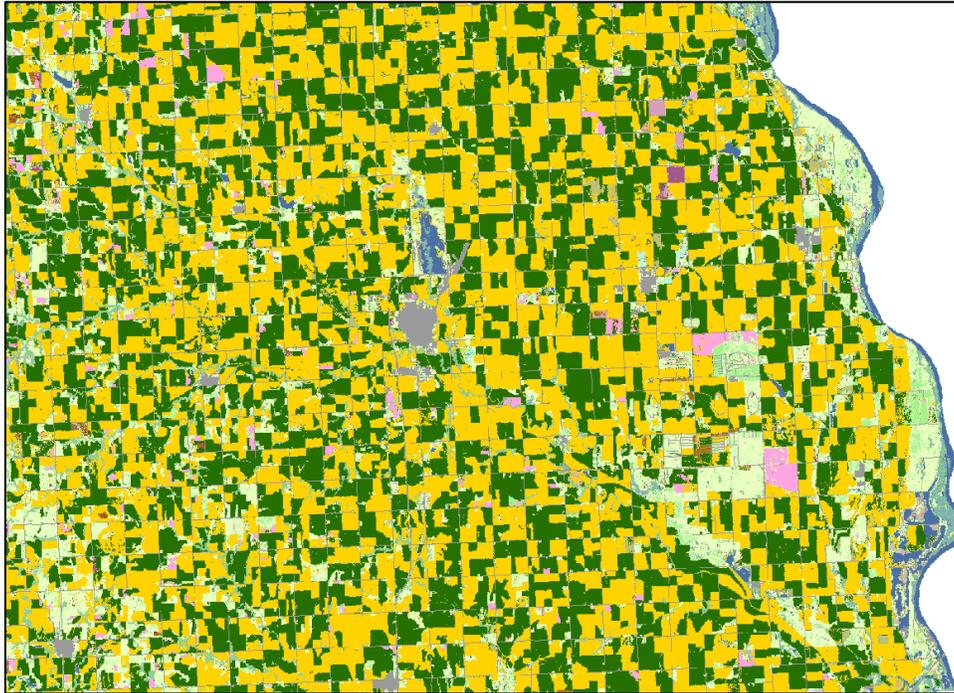


Figure 1. Land cover raster data

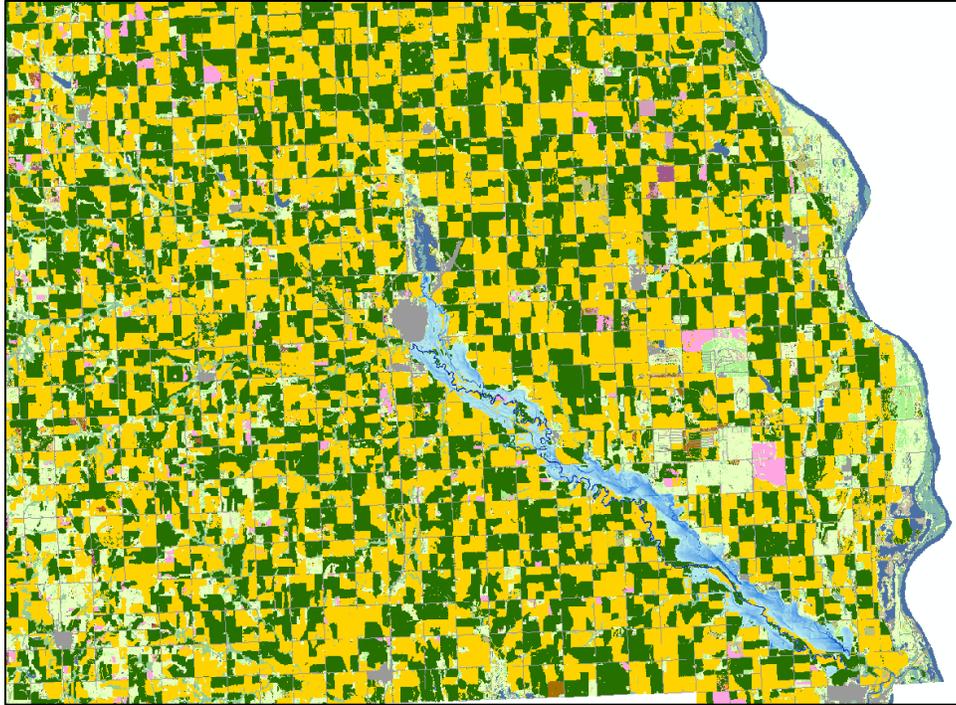


Figure 2. Land cover raster data with sample HEC-RAS inundation depths overlain

AGREEMENT

PROJECT CONTRACTING/PAYMENT PROCESS & OPERATION & MAINTENANCE for PLATTE RIVER BREACH REPAIR PROJECT DODGE COUNTY

This “Agreement”, in reference to the Platte River Breach Repair Project, Dodge County, Nebraska, hereinafter referred to as the “Project”, is made and entered into by the following parties, hereinafter referred to individually as “Partner” and collectively as “Partners”, to wit:

City of Fremont (City)
Dodge County (County)
Lower Platte North Natural Resources District (LPNNRD)
Fremont Rod & Gun Club (Club)

Whereas, the City, County and LPNNRD are political subdivisions of the State of Nebraska and the Club is an incorporated association.

Whereas, 2019 flood events along the Lower Platte River caused a substantial breach in the embankment on the west end of Club property, resulting in substantial damage to private property and public infrastructure.

Whereas, the Partners assisted with emergency repairs in early 2020, to divert Platte Water flood flows from reentering the breach until more substantial repairs could be made.

Whereas, as a result of dredging activities planned at Lake Ventura in 2020, there is an opportunity to use the resulting dredge material from Lake Ventura to engineer, fill, shape, and stabilize the breach area opening, at a total estimated Project cost of \$612,380.

Whereas, the County will act as the fiscal agent for the Project repair and will administer a \$485,000 Community Development Block Grant approved through the Nebraska Department of Economic Development to partially fund the Project.

Whereas, the City, County and LPNNRD have entered into a separate Interlocal Agreement, to assist with the local share of Project expense, up to \$50,000 each, totaling \$150,000.

Whereas, the City has agreed to obtain and hold all necessary public easements for the Project from the Club and be the public entity applicant for future disaster assistance.

Whereas, the Club has previously provided approximately \$20,000 toward repairs in the Project area and will provide up to an additional \$12,380 toward the local share of the Project.

Whereas, the City, County and LPNNRD previously agreed to enter into a future agreement with the Club addressing Project operation and maintenance responsibilities.

Therefore, in consideration of the foregoing recitals and their mutual covenants hereinafter expressed, the Partners agree as follows:

1. **Purpose:** The purpose of this Agreement is to define the Partners responsibilities for Project contracting, contractor selection, payment process, and future operation and maintenance of the completed Project.
2. **Project Contracting, Contractor Selection:** The County~~hub~~ will enter into a contract with JEO Consulting Firm for Project engineering services and also enter into an eventual contract with the construction contractor for completing the Project. The Partners will jointly review submitted Project bids and approve selection of the construction contractor.
3. **Project Payment Process:** The County~~hub~~ will receive and approve all said Project engineering and construction invoices and then forward all approved invoices to the County, who as the acting fiscal agent, will make payment to the contractors. The Club will pay \$12,380 toward the initial Project ~~expenses and then forward all unpaid invoices to the County, who as the acting fiscal agent, will make payment to the contractors.~~ It is understood that the County will use approved Community Development Block Grant (CDBG) funding first, up to \$485,000, for paying Project invoices. After CDBG funding is exhausted, the County will continue to pay all approved Project expenses that will be invoiced and shared equally by the City, County and LPNNRD up to \$50,000 each.
4. **Project Operation and Maintenance:** This Agreement between the City, County and LPNNRD, and Club is executed to identify operation and maintenance responsibilities of the completed Project. The Club agrees to complete all normal operation and maintenance activities on an annual basis, including but not limited to mowing, tree removal, noxious weed control and minor repairs to the Project. The Club agrees to complete an annual written operation and maintenance reports, attached as Exhibit A, and provide each Partner a copy of said report-. ~~Each Partner may, from time to time, request that the Club complete certain maintenance activities. Upon receiving such request, the Club shall complete the requested maintenance activity within a reasonable period of time.~~

In the event of needed major future Project repairs, as a result of flooding or ice-out damage, the City, as the easement holder, is responsible for coordinating with the Partners ~~will work together~~ to secure available federal or state financial assistance and no Partner is obligated to will also consider ~~contributing nor provide~~ local financial assistance unless approved by each Partners as needed.
5. **Effective Date of Agreement:** This Agreement becomes effective upon final execution by the Partners. The original copy of this Agreement will be maintained as part of the public records of the City, with a copy of the Agreement to be provided to the Partners. The Agreement may be signed in counterparts, as necessary.
6. **Hold Harmless:** The Club hereby agrees to indemnify and shall hold the City, County and LPNNRD harmless to the fullest extent allowed by law from and against any and all claims, damages, losses, and expenses, arising out of or resulting from its acts and the acts of its agents and employees in performance of this Agreement.
7. **Duration of Agreement:** This Agreement shall extend from the date of execution by the Partners and will remain in effect unless one or more Partners agree to amend, addend, or terminate the Agreement. City, County, or LPNNRD may terminate their obligations of this Agreement upon submitting a 90-day written notice to the other Partners.

IN WITNESS WHEREOF,

This Agreement for Platte River Breach Repair Project is executed by the City of Fremont on this _____ day of _____, 2020.

City of Fremont

By: _____
Scott Getzschman

Title: **Mayor** _____

IN WITNESS WHEREOF,

This Agreement for the Platte River Breach Repair Project is executed by Dodge County on this _____ day of _____, 2020.

Dodge County

By: _____
Bob Missel

Title: Chairman _____

IN WITNESS WHEREOF,

This Agreement, for the Platte River Breach Repair Project is executed by the Lower Platte North Natural Resources District on this _____ day of _____, 2020.

Lower Platte North Natural Resources District

By: _____
Gene Ruzicka

Title: **Chairman** _____

This Agreement for the Platte River Breach Repair Project is executed by the Fremont Rod and Gun Club on this _____ day of _____, 2020.

Fremont Rod & Gun Club

By: _____
John Miyoshi

Title: Board President

EXHIBIT A
Annual Rod & Gun Club Levy Inspection Form

Date of site visit: _____

Inspector: _____

1. Have there been any unusual occurrences since the last inspection? _____

2. Describe the general condition of the levy and any maintenance activities which have been taken:

3. Other comments: _____

4. Checklist:

Item	Yes	No	Remarks
Animal control (holes)			
Errosion to bank			
Errosion control (grass)			
Settling of bank material			
Unwanted Vegetation			
Sod coverage			
Encroachments (trash)			
Gates closed and in order			
Fencing			
Bank slope			
Depressions or rutts			
Cracking			
Seepage			

AGREEMENT

PROJECT CONTRACTING/PAYMENT PROCESS & OPERATION & MAINTENANCE for PLATTE RIVER BREACH REPAIR PROJECT DODGE COUNTY

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City of Fremont (City)
Dodge County (County)
Lower Platte North Natural Resources District (LPNNRD)
Fremont Rod & Gun Club (Club)

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Whereas, as a result of dredging activities planned at Lake Ventura in 2020, there is an opportunity to use the resulting dredge material from Lake Ventura to engineer, fill, shape, and stabilize the breach area opening, at a total estimated Project cost of \$612,380.

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Whereas, the City has agreed to obtain and hold all necessary public easements for the Project from the Club and be the public entity applicant for future disaster assistance.

Whereas, the Club has previously provided approximately \$20,000 toward repairs in the Project area and will provide up to an additional \$12,380 toward the local share of the Project.

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In the event of needed major future Project repairs, as a result of flooding or ice-out damage, the Partners will work together to secure available federal or state financial assistance and will also consider contributing local financial assistance as needed.
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7. **Duration of Agreement:** This Agreement shall extend from the date of execution by the Partners and will remain in effect unless one or more Partners agree to amend, addend, or terminate the Agreement. City, County, or LPNNRD may terminate their obligations of this Agreement upon submitting a 90-day written notice to the other Partners.

IN WITNESS WHEREOF,

This Agreement, for the Platte River Breach Repair Project is executed by the Lower Platte North Natural Resources District on this 14 day of September, 2020.

Lower Platte North Natural Resources District

By: Gene Ruzicka
Gene Ruzicka

Title: Chairman

This Agreement for the Platte River Breach Repair Project is executed by the Fremont Rod and Gun Club on this _____ day of _____, 2020.

Fremont Rod & Gun Club

By: _____
John Miyoshi

Title: Board President _____

IN WITNESS WHEREOF,

This Agreement for Platte River Breach Repair Project is executed by the City of Fremont on this _____ day of _____, 2020.

City of Fremont

By: _____
Scott Getzschman

Title: **Mayor** _____

IN WITNESS WHEREOF,

This Agreement for the Platte River Breach Repair Project is executed by Dodge County on this _____ day of _____, 2020.

Dodge County

By: _____
Bob Missel

Title: Chairman _____

We want to reiterate that NEMA's intent is to create a path to ensure the project is awarded and successfully addresses the flooding hazard in the community. We are presenting options to reach the goal, but it is up to North Bend Drainage District and their partners on how to proceed. We hope to provide you the information you need to make an informed decision.

Important points on Environmental and Historic Preservation (EHP) review and compliance.

EHP- Environmental and Historic Preservation: Inclusive of the various federal and state laws, executive orders, and ordinances that comprise the environmental and historic review conducted by FEMA on Hazard Mitigation Assistance projects.

Review the FEMA [EHP](#) checklist for a consolidated list of the regulations.

- With every Hazard Mitigation Award for projects involving ground disturbance, FEMA issues a Record of Environmental Consideration, which delineates the environmental compliance the recipient of federal award is responsible for.
- Compliance with EHP conditions is mandatory. Failure to comply with EHP conditions may result in loss of funding eligibility.

Project objective:

Enhance an existing maintained structure, ditch bank, to prevent overtopping and breaches during a 250-year flood event.

Questions and comments from local project applicant/stakeholders:

1. *Why is this phased approach being offered now, after so much work has been done on the original approach?*

The phased approach is being considered as a way to minimize risk to the stakeholders and the project. The phased approach is being considered now because of the FEMA request for additional information related to Environmental and Historic Preservation (EHP) requirements. This was emailed to the North Bend stakeholders and the stakeholders provided a response. Upon review of those responses, NEMA and Hagerty staff had a conversation with FEMA Region 7, based on a concern that those responses were insufficient to enable FEMA to determine a level of review to satisfy the environmental and historic requirements.

One of the benefits of phasing is that you reduce the risk of having to reopen EHP consultation during project construction due to higher level of certainty in design and project area of potential impacts at the outset of construction. We want to emphasize that this *reduces* the risk. Even with phasing, if construction starts and something changes in the project scope that would change the locations of ground disturbance or increase the extent of ground disturbance you must notify NEMA prior to executing those changes.

2. *What makes this project complex so that it “requires technical or EHP data beyond the scope that is generally required for a typical HMGP project application? (Section A.13 of attached Hazard Mitigation Assistance Guideline). This is an existing maintained structure; Appendix D of the application contains the preliminary earthwork costs including dimensions for the existing and proposed project geometry. Raising the height of the structure and having a 3 to 1 slope does not significantly change the existing structure footprint (width).*
 - You are correct this project is not complex in and of itself. However, the stakeholders’ responses to the FEMA EHP requests for information did not provide enough information to determine an EHP level of review. Implementing a phased approach would allow FEMA to review the full extent of the project and its impacts on all environmental and historic requirements.
 - It is important to note that Region 7 has a new Regional Environmental Officer, who may be more conservative when reviewing for adverse impacts to environmental or historic resources.
 - If FEMA determines that there is not enough information to complete an EHP review, FEMA can deny the project outright.
 - FEMA may decide to award but attach more conditions to the approval, including site monitoring and compliance.
3. *It is our understanding that if we proceed currently, we are on the hook for all work being completed up until a grant award is made. If we take the phased approach, costs become eligible as pre-award costs and can be paid for IF a grant award is made? (If no award is made, applicant still on the hook for costs.) Please verify both options should be eligible for pre-award costs, both option applications would need to be modified if FEMA requires additional engineering.*

Proceed with current project application:

- Costs such as design, engineering consultation, hydrologic studies, geotechnical studies may be reimbursed as **Pre-Award costs**. However, these must be requested as pre-award in the project application. The submitted application does not request pre-award costs. The North Bend partners have communicated that they do not want to incur costs prior to FEMA award. If you plan to incur pre-award costs and you want to be reimbursed for those costs, then the application must be modified to include pre-award costs.
- If the project is not awarded by FEMA, no costs are eligible for reimbursement. Incurring pre-award costs is a risk taken by subapplicants.
- No construction or groundbreaking activities may begin prior to FEMA award. If they are, the project is ineligible for any funding.
- If FEMA awards the project, the North Bend stakeholders proceed with design, engineering studies, H&H evaluations, etc. and then determine that the project is not feasible, for whatever reason, costs incurred that are aligned with the project scope and properly procured are eligible for reimbursement, even if the project is not completed in full.

Phased project:

- If FEMA approves the preliminary project, you will receive FEMA award for Phase 1. Phase 1 consists of the engineering, design, H&H, etc. Once awarded, NEMA will set up a grant agreement with the authorized agent for the completion of Phase 1.
 - Once Phase 1 deliverables are complete, these will be submitted to FEMA for review and approval of Phase 2.
 - If FEMA approves the Phase 1 deliverables, they will issue the award for Phase 2. The State Grant Agreement is amended to include Phase 2 construction. You can then implement Phase 2.
 - RISK: Project is determined not feasible or not cost-effective as a result of Phase 1 deliverables and Phase 2 is not awarded. Costs incurred under Phase 1 are eligible for reimbursement (services and goods must be procured in accordance with local, state and federal laws).
4. *Last week, it was mentioned that, “if you proceed..., and anything changes during final design, you may be subject to starting over in the review process.” This is a significantly different approach than stakeholders have heard on any other mitigation project to date. Things will ultimately change in final design. But if they do, HOW MUCH does the project have to change before the applicant needs to, “start over?” From stakeholder HMPG experience, on the Lake Wanahoo mitigation project, things changed quite a bit in design, but the intent/purpose of the design remained the same. I see far less changing on this project, as it is an existing structure.*

Clarification: If design changes would affect the maximum extent of groundbreaking activities, then this would trigger additional EHP consultation. You would not “start over” with the application process, only EHP consultation would be revisited. Groundbreaking activities include maximum width and depth of ground disturbance, changes to borrow sites or staging areas, changes in grading to native soils by any amount. North Bend stakeholders would be responsible for sharing the changes with NEMA prior to any work being done related to construction or groundbreaking activities. NEMA would then share it with FEMA to determine if additional EHP consultation is required.

5. *With regards to the additional information requested under proceed as-is option, the location of the staging areas can be determined. Same for borrow areas. But what if better material is found? Is that a change that warrants a start over?*

If the borrow sites or staging areas change, these must be reviewed by FEMA to determine if additional EHP consultation is required, this may result in additional environmental/historic conditions. Again, this is not a “start over” but you are responsible for remaining compliant with EHP conditions throughout project implementation. What this would like is, you determine that different borrow sites or staging areas are needed. You submit your revised locations to NEMA, NEMA to FEMA, FEMA reviews and gives the thumbs up or requests additional EHP consultation.

6. *We can very easily increase our anticipated maximum width/length/depth of ground disturbance if REDUCING it during design prevents a start over. So again, what threshold of change initiates a start over?*

Any changes that involve greater ground disturbance would result in additional EHP consultation. If final design reduces the maximum extents, no additional consultation is needed.

7. *The engineering firm selected to assist with project has experience with HMPG projects including EO 11988. Their experience includes the Yeproject currently under construction. They feel we can prove that we are minimizing adverse impacts in the floodplain showing that we're minimizing the adverse effects on the right bank properties that are flooded longer. The engineering firm can definitely do that...but it will take detailed H/H work.... based on their experience to date this has NEVER been brought up in other mitigation projects they have participated in.*

Compliance with EO 11988 (Floodplains and wetlands) is required. In order for FEMA EHP to check this box, the project should have sufficient analytical documentation to show that there is **no adverse impact** on the floodplain. You may receive a conditional approval from FEMA based on the preliminary conceptual design of the project. However, if any design changes result in adverse impacts to the floodplain, then you would be responsible for contacting NEMA with these changes.

With regards to the Offut AFB Levees project, this was not a FEMA HMGP project. It is unknown what environmental and historic review this project was subject to. The conditions around the project may have required a different level of scrutiny.

8. *Risk. Dodge County and its jurisdictions was overwhelmingly impacted by the 2019 flooding. Locally we are concerned with the assumed financial risk of pre-award costs. If a phased approach is considered what is the reimbursement process for phase 1; does this occur after application approval or 100% project completion? What impact does the phased approach have to project scheduling?*
- Reiterate what we mentioned above, pre-award costs are costs that are incurred before FEMA award. Phase 1 is not pre-award.
 - See our comments to Question 3.
 - Project scheduling:
 - FEMA reviews and approves Phase 1 and issues award for Phase 1
 - State Grant Agreement is executed for Phase 1
 - North Bend Partners then conduct deliverables listed under Phase 1 (engineering, H&H, final design, changes to the BCA as needed, additional EHP consultation)
 - Phase 1 deliverables are submitted to FEMA for review and approval. FEMA conducts EHP consultation; level of review is determined and conducted. This can take several months.
 - If FEMA approves Phase 1, they will issue an award for Phase 2.
 - State Grant Agreement is amended for Phase 2 obligation.

To answer your question bluntly, the project schedule could take longer under the Phased approach because FEMA needs to review the Phase 1 deliverables and conduct their EHP review midway through.

SANITARY & IMPROVEMENT DISTRICT NO. 8
OF SAUNDERS COUNTY, NEBRASKA

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October 20, 2020

Mr. Eric Gottschalk
General Manager
Lower Platte North NRD
511 Commercial Park Road
Wahoo, NE 68066



RE: Cost-share, financial assistance for March 2019 Flood Damage Repair Projects

Dear Mr. Gottschalk:

Saunders County SID No. 8 – Woodcliff Lakes would like to formally request cost-share assistance from the Lower Platte North NRD for our March 2019 flood damage repair projects. The SID is working with FEMA/NEMA Public Assistance to obtain 75%/12.5% reimbursement for project costs. Damages occurred to previously constructed bank stabilization measures, the SID roadway, and additional bank erosion. Repairs to those areas are being addressed with FEMA Public Assistance. Currently, the estimated SID portion (12.5%) of those repairs is \$137,000.

The SID also took action to implement a road raise flood risk reduction project along the roadway adjacent to the Platte River. This project raises the entire stretch of roadway adjacent to the River to the 100-year floodplain elevation, a raise of up to 2-feet along the lowest areas of the roadway. This project is being entirely funded by the SID. The current engineering and construction costs for that project are approximately \$800,000. The improvements provide significant additional flood risk reduction for the community, and construction is scheduled for completion in the Spring of 2021.

The SID would like to formally request the NRD provide cost-share assistance for the road raise flood risk reduction project described above, in the amount of 50% of the total project cost, \$400,000. The cost share could be provided over the course of multiple years; the SID would suggest four years.

We appreciate the NRD's support and assistance with this important project. Feel free to call me at (402) 431-7102 or email me at lonnie.mahrt@csgj.com if you have any questions. We look forward to hearing your feedback to this request for assistance.

Sincerely,

A handwritten signature in cursive script that reads "Lonnie Mahrt".

Lonnie Mahrt
SID Board Chair