

Projects Committee Meeting
Thursday, May 30, 2024 7:30 AM
Lower Platte North NRD Office
P.O. Box 126
Wahoo, NE 68066

1. UNFINISHED BUSINESS

2. SWCP

2.A. SWCP Payments

Heimann submitted certification paperwork for the following completed tree planting:

23-B-2 RYAN WOEHL	\$	996.40	Windbreak (530 trees)
-------------------	----	--------	-----------------------

3. JOINT WATER MANAGEMENT ADVISORY BOARD (JWMAB)

3.A. East Fremont/Elkhorn Township Drainage - FEMA HMPG

3.B. West Fremont - FEMA BRIC

A virtual progress meeting occurred May 20th, agenda attached. The bulk of this project deals with floodplain management ordinances and policies through the City. They are currently seeking permission to assess several private properties to identify future nonstructural mitigation efforts (flood vents, flood proofing, propane tank anchoring, etc.) The current project will conclude with a FEMA BRIC grant application to likely implement identified ordinances, policies, and several nonstructural projects proposed during the current assessments.

3.C. Rawhide Creek Watershed - NRCS WFPO

3.D. North Bend Drainage District

3.E. Cotterell Diking and Drainage District

4. SHELL CREEK WATERSHED

4.A. Shell Creek Implementation - 319 & NET

Final Bend Project: Colfax county awarded the (low) bid to Cech Construction of Clarkson. Their bid was \$67,766 with the engineer's estimate at \$106,413. Work is set to be complete by the end of June.

Working on mailings to producers and homeowners of select watersheds, organizing billboard artwork competition during the next school year,

Reimbursement requests to NET and NDEE were recently submitted and approved. Our next scheduled SCWIG meeting is June 18th, 10:00 am, Columbus NRCS office.

5. WAHOO CREEK WATERSHED

5.A. Dam Site Planning Update

5.A.1. Design - Olsson

The Biological Assessment (BA) for the first 3 sites was submitted to FWS on 5/17 with the expectation that their review will be completed by 6/17.

Olsson has addressed all comments from DNR and submitted final plans on 5/17. They also re-assessed the hazard class rating for site 77 and concluded that it should remain classified as a "significant hazard" rating instead of "high hazard".

Olsson has presented the NRD with an amendment (attached) to our existing contract due:

- Tree Bidding Services
- Additional Easement Documents
- Additional 90% Review by NRCS
- Site 55 Geotechnical Investigation
- Site 77: Evaluate Options and Redesign of Principal Spillway
- Additional Environmental Services: Depletion Calculations and Biological Assessments for 2nd six dams

Progress report and invoice is attached.

5.A.2. Real Estate - Olsson & Great Plains Appraisal

As of 5/29, Fujan and Snitily both agreed to final offers from NRD and have the purchase agreements and easement paperwork in hand. We have yet to hear back from Vanek's or their attorney. We will need guidance for the next steps. Attached is the current invoice from Olsson for contracted services.

5.A.3. Funding - NRCS WFPO & NeDNR JEDI

JEDI and NRCS reimbursement requests were submitted the week of May 6th and funds were transferred in less than two weeks.

5.B. Water Quality - NWQI & 319

6. LOWER PLATTE RIVER CORRIDOR ALLIANCE

LPRCA meeting occurred on May 29th, Agenda and minutes from November 29, 2023 meeting are attached. Also attached for signature is a Joint Funding Agreement for USGS Streamgage Trend Analysis. Funding obligations in the agreement state \$5,843 in FY25 and \$4,137 in FY26 for a total of \$9,980. This is less than the \$10,686 approved at our May 13, 2024 Board meeting.

7. MORSE BLUFF LEVEE

8. WOLFE JETTY

9. LESHARA DRAINAGE IMPROVEMENT

Jake Miriovsky of JEO will be present to discuss Phase 2 of this project.

10. EROSION AND SEDIMENT RULES AND REGULATIONS

11. HAZARD MITIGATION PLAN UPDATE

We are beginning the first phase of our HMP update. This plan will examine regional and local vulnerabilities to a range of hazards (e.g. flooding, severe winter storms, drought, etc.) and identifies strategies and projects to reduce their impact. Local jurisdictions are required to attend a meeting in order to participate in the plan. Once a community, county, or district (School District, Fire District, Drainage District, ect.) is part of an approved plan, they become eligible for up to a 75% cost share from the Federal Emergency Management Agency (FEMA) for a variety of projects listed in the plan. Two in-person and one virtual meeting are scheduled for approximately 1 to 1.5 hours.

The first round of planning meetings will be held in:

- Wahoo: Monday, **June 17, 2:00 pm** at the Clint Johannes (Lake Wanhoo) Education Building, 1655 County Road 16, Wahoo, NE 68066
 - Or Join Online at <https://us02web.zoom.us/j/83988928199>
- David City: Thursday, **June 20, 6:30 pm** at the Hruska Memorial Library, 399 N 5th St, David City, NE 68632
 - Or Join Online at <https://us02web.zoom.us/j/82665220770>
- Virtual Option: Wednesday, **June 26, 10:00 am**
 - Join Online at <https://us02web.zoom.us/j/89276107971>

12. OTHER

The LPN experienced a significant rain event 5/21; a large area throughout Saunders, Dodge and Butler counties received between 6"-11" of rain. This event caused at least 6 of our flood reduction structures to experience flow through the auxiliary spillway for the first documented occurrences. No structural damage to any embankments/spillways has been observed. The NRD has been in contact with Emergency Services and reported to governor on potential assistance for any necessary repairs.

The June Projects committee meeting is scheduled for 6/27, both Ryan and Sean will be out of the office that day. It would be possible to have the meeting on Tuesday, 6/25.

13. ADJOURNMENT



West Fremont-Platte Township Floodplain Management and Nonstructural Implementation Meeting

DATE AND TIME | May 20, 2024

PROJECT | Dodge County – West Fremont Scoping Project

JEO Project #201901.00

EMK-2020-BR-013-0015

MEETING | Progress Meeting

LOCATION | Virtual

1. Goal of today's meeting
 - Status update
 - Schedule going forward
2. Floodplain Management Ordinances and Policy Review
 - a. Meeting held March 22, 2024 to discuss management issues
 - b. JEO summary of potential ordinance revisions for prioritization from meeting sent March 26, 2024 – see attached
 - c. City is discussing how best to proceed
 - d. Possible options
 - How much engagement/input from builders and homeowners?
 - Can be implemented completely local, or:
 - FEMA BRIC funding MAY be available thru Building Code Plus Up – see attached
 1. If interested should discuss specifically with NEMA
 2. Unclear if this will be included in next funding cycle
3. Nonstructural Property Assessments
 - a. JEO to visit ~ 10 private properties to identify possible nonstructural mitigation efforts
 - Flood vents
 - Flood proofing
 - Propane tank anchoring
 - Etc.
 - b. With City input have finalized an outreach plan
 - Invitation Only Open House June 4, 2024 at City Council Chambers (19 individual properties – see attached)
 1. Owners have expressed interest during other outreach
 2. Representative of property types, location etc.
 3. Provide background on what assessments will include and why
 4. How would implementation look
 5. Identify ~10 properties and schedule specific times for site visit
 - Specific property assessments to be scheduled
 1. Late week of June 3, or
 2. Week of June 10

- JEO will compile recommendations and review with City, County, NRD
 1. Anticipate packaging recommendations into an implementation grant application (FEMA BRIC)
 2. Notice of Funding Opportunity (NOFO) has not been issued but likely summer 2024 with final application due fall/winter 2024
 3. Once there are some specifics about number of properties and types, JEO will assist in developing an Notice of Intent (NOI) for NEMA
 - a. Will need to finalize Point of Contact and Lead Agency (Jennifer Dam or Mark Byrd at City of Fremont)

4. Next Step/Action Items

- a. Open House June 4, 2024
- b. Site Assessments June 2024
- c. Finalize Recommendations and incorporate into final deliverable
- d. Monitor NEMA/FEMA websites for NOFO announcement and develop NOI

Engineer's Estimate

County: Colfax

Project: Shell Creek 2024 Bank Stabilization
Description: Channel Bank Stabilization and Rock Riprap on Shell Creek

Letting Date: 5/14/2024



ENGINEER'S ESTIMATE

Shell Creek 2024 Bank Stabilization

Item No.	Item Description	Plan Qty.	Units	Unit Price	Amount
1-1	Mobilization	1.000	Lump Sum	\$20,000.00	\$20,000.00
1-2	Site Preparation	1.000	Lump Sum	\$12,750.00	\$12,750.00
1-3	Excavation, Established Quantity	3,008.000	Cu. Yds.	\$8.00	\$24,064.00
1-4	Rock Riprap, Type "B"	299.000	Tons	\$90.00	\$26,910.00
1-5	Riprap Filter Fabric	469.000	Sq. Yds.	\$5.00	\$2,345.00
1-6	Covercrop Seeding	1.300	Acres	\$1,200.00	\$1,560.00
1-7	Erosion Control, Class 1D	6,292.000	Sq. Yds.	\$2.00	\$12,584.00
1-8	Fabric Silt Fence, Low Porosity	1,550.000	Lin. Ft.	\$4.00	\$6,200.00
TOTAL FOR PROJECT:				\$106,413.00	
Start of Construction Date:					
End of Construction Date:					

Invoice



601 P St Suite 200
PO Box 84608
Lincoln, NE 68501-4608
Tel 402.474.6311, Fax 402.474.5063

May 29, 2024
Invoice No: 499156

Ryan Chapman
Lower Platte North NRD
PO Box 126
Wahoo, NE 68066-0126

Invoice Total \$11,030.70

Olsson Project # A18-34230 Lower Platte North NRD Wahoo Creek Watershed & 7 Dam Sites
Phase II
Professional services rendered April 7, 2024 through May 4, 2024 for work completed in accordance with agreement.

Phase	100	Sites 55 66 77 82 84 85 86 Project Management		
Labor				
			Hours	Amount
		Project Manager	3.50	507.96
		Administrative/Clerical	1.25	102.72
		Totals	4.75	610.68
		Total Labor		610.68
			Total this Phase	\$610.68

Phase	110	Geotechnical Engineering		
Labor				
			Hours	Amount
		Project Professional	15.50	2,379.41
		Administrative/Clerical	1.50	125.73
		Totals	17.00	2,505.14
		Total Labor		2,505.14
			Total this Phase	\$2,505.14

Phase	120	Dam Design		
Labor				
			Hours	Amount
		Project Professional	7.75	1,189.70
		Assistant Professional	5.50	585.70
		Designer	5.00	638.60
		CAD Operator	36.00	2,526.48
		Totals	54.25	4,940.48
		Total Labor		4,940.48
			Total this Phase	\$4,940.48

INVOICE PAYMENT IS REQUESTED WITHIN 30 DAYS

Project	A18-34230	Lower Platte North NRD Wahoo Creek Water	Invoice	499156
---------	-----------	--	---------	--------

Phase	130	Permitting
-------	-----	------------

Labor

	Hours	Amount	
Project Manager	14.50	2,559.25	
Project Professional	3.50	415.15	
Totals	18.00	2,974.40	
Total Labor			2,974.40
		Total this Phase	\$2,974.40
		AMOUNT DUE THIS INVOICE	\$11,030.70

Authorized By: Andrew Phillips

INVOICE PAYMENT IS REQUESTED WITHIN 30 DAYS

Progress Report for Wahoo Creek Watershed Dams Sites



Lower Platte North NRD

For Work Completed During The Month Of : **April, 2024**
(through 05/04/24)

Project # 018-3423 Dam Site 26A, 26B, &27 Project Phase	Phase Budget	Billings for Month		Project Total Billings to Date	
		Current Earned/Billings	% Completed This Month	JTD Earned/Billings	% Completed Overall
010 - Project Management/Meetings	\$ 23,213		0.0%	\$ 14,067.55	60.6%
020 - Geotechnical Engineering	\$ 224,493		0.0%	\$ 226,775.48	101.0%
030 - Dam Design	\$ 184,885		0.0%	\$ 199,168.83	107.7%
040 - Permitting	\$ 86,634		0.0%	\$ 60,884.18	70.3%
050 - Survey and Legal Descriptions	\$ 11,142		0.0%	\$ 23,636.47	212.1%
060 - Community/Public Participation	\$ -			\$ -	
070 - Construction Services	\$ 171,962			\$ 1,590.75	0.9%
				\$ -	
3 Sites Totals	\$ 702,329	\$ -	0.0%	\$ 526,123.26	74.9%

Project # A18-3423 (separate invoice) Sites 55, 66, 77, 82, 84, 85, &86 Project Phase	Phase Totals	Billings for Month		Project Total Billings to Date	
		Current Earned/Billings	% Completed This Month	JTD Earned/Billings	% Completed Overall
100 - Project Management/Meetings	\$ 60,813	\$ 610.68	1.0%	\$ 33,240.14	54.7%
110 - Geotechnical Engineering	\$ 592,047	\$ 2,505.14	0.4%	\$ 581,152.77	98.2%
120 - Dam Design	\$ 425,202	\$ 4,940.48	1.2%	\$ 414,375.73	97.5%
130 - Permitting	\$ 244,810	\$ 2,974.40	1.2%	\$ 157,524.55	64.3%
140 - Survey and Legal Descriptions	\$ 28,165		0.0%	\$ 33,529.76	119.0%
150 - Community/Public Participation	\$ 30,000		0.0%	\$ 5,899.20	19.7%
160 - Other	\$ -			\$ -	
170- Construction Services	\$ 603,992			\$ -	0.0%
7 Sites Totals	\$ 1,985,029	\$ 11,030.70	0.6%	\$ 1,225,722.15	61.7%

Billings For Month	\$ 11,030.70
Total Billings To Date	\$ 1,751,845.41
Project Budget	\$ 2,687,358.00
Budget Remaining	\$ 935,512.59

% Budget Spent Per Site



Summary Of Work Completed This Month	
Sites 26A, 26B, & 27	Sites 55,66,77,82,84,85, & 86
-Awaiting State approval for 26a, 26b, and 27	-Site 55 sample review, seepage calculations, report updates -Site 55, 66, 84, 85: foundation detail updates, drainage modeling, insturmentation review -Coordination with USFWS, NRCS and kick-off meeting with USACE -Project Management

Planned Work For Next Month	
Site 26A, 26B, & 27	Sites 55, 66, 77, 82, 84, 85, & 86
	-Modified design process for remainder of dams: Design through state NRCS process for 66, 77, 84, 84 this calendar year and sites 55, 86 in 2025. Construction schedule for 2nd six dams TBD. -Depletion calculation for 2nd six dams. Determination if any modifications are needed based upon results. -Geotechnical analysis for Site 55 and laboratory testing

For questions regarding billings, please contact Andrew Phillips at (402) 440-8807 or aphillips@olsson.com



LETTER AGREEMENT AMENDMENT #3

Date: May 29, 2024

This AMENDMENT (“Amendment”) shall amend and become a part of the Letter Agreement for Professional Services dated October 22, 2018 between Lower Platte North NRD (“Client”) and Olsson, Inc. (“Olsson”) providing for professional services for the following Project (the “Agreement”):

PROJECT DESCRIPTION AND LOCATION

Project is located at: Wahoo, NE (Saunders County)

Project Description: Final design dam sites 26A, 26B, and 27, tree clearing bidding services, 90% design submittal, and additional easement documents.

SCOPE OF SERVICES – PART I: Sites 26A, 26B, and 27

Client and Olsson hereby agree that Olsson’s Scope of Services under the Agreement is amended by adding the services specifically described below for the additional compensation set forth below:

Additional Design Phase Services: Tree Clearing Bidding

The original contract did not include a separate bidding and environmental services associated with Tree Clearing Bidding. The scope of services for these additional services are outlined below.

Phase 090 – Tree Bidding

001 – Bidding Services

Prepare Notice to Bidders and Issue Documents

Olsson will coordinate the issuance of notices to bidders and the production and distribution of bidding documents. Notices will be placed in the official publications directed by the Client, and in bidding services known to provide data to contractors in the area. In addition, invitations will be mailed directly to contractors whom the project team and/or the Client know will be interested in the project. Documents will be available for inspection at Olsson offices.

002 – Tree Clearing Staking and Mitigation Plan

- Staking of trees for removal

- Tree inventory scheduling and modifications to mitigation plan for separate tree removal
- Meetings with NRD and NRCS to discuss tree removal process and required modifications

Additional Design Phase Services: Easement Documents

Due to the timing of the planned construction in relation to the design phase services, additional time was incurred to prepare and modify easement documents during the property owner negotiation process.

Phase 100 –Easement documents

001 – Engineering

Additional hours were incurred associated with the easement documents and maps.

Additional Design Phase Services: 90% Review

The original contract only included a 60% and Final submittal and associated comments from NRCS.

Phase 110 –90% Review documents

001 – Engineering

Additional hours were incurred because of the additional 90% submittal and comments and those associated costs are included in this phase of the amendment.

PROJECT DESCRIPTION AND LOCATION

Project is located at: Wahoo, NE (Saunders County)

Project Description: Final design dam sites 55, 66, 77, ~~82, 83~~, 84, 85, and 86 additional 90% review submittal, additional investigation for Site 55, additional alternative investigation for Site 77 and design changes, additional easement documents and field survey, and additional environmental services.

SCOPE OF SERVICES – PART II: Sites 55, 66, 77, ~~82, 83~~, 84, 85, and 86

Client and Olsson hereby agree that Olsson's Scope of Services under the Agreement is amended by adding the services specifically described below for the additional compensation set forth below:

Additional Design Phase Services: Site 55 Geotechnical Investigation

We are proposing to complete additional field investigation and analysis to better understand a sand layer that we encountered in the alluvial valley and the south abutment of Site 55. Our analysis and laboratory testing show that these sands could pose seepage issues both within the foundation of the embankment and along the bluff that comprises the south abutment. Our additional investigation includes the following:

Phase 180 –Geotechnical Investigation 001 – Geotechnical Investigation

- Drilling Services/ Field Exploration – Olsson proposes to use a truck-mounted drill rig to complete soil test borings and Electronic Cone Penetration (CPT) holes for the geotechnical investigation.
- The soil borings will be advanced to the depths proposed, or to refusal, whichever is shallower. This proposal is based on a total drilling footage of 215 linear feet and approximately 1,800 linear feet of CPT.
- Contact Diggers Hotline of Nebraska to locate underground utilities. To ensure the safety of the crew on site, Owner must inform Olsson of the location of all private utilities and private utility service connections. Cost of locating private utility lines and private service connections shall be Owner's responsibility. Olsson is not responsible or liable for damage to any private utility or private service connection.
- All boring locations must be readily accessible. Any cost of making boring locations accessible is Owner's responsibility. Olsson will not perform work until boring locations are accessible and acceptable to Olsson's satisfaction.
- Drilling rigs are heavy equipment. Disturbance of natural surroundings including but not limited to soil indentations, concrete cracking and damage to underground

sprinkler systems, may occur. Olsson shall not be liable or responsible for any site disturbance that may occur as a result of bringing equipment on site. Owner accepts full responsibility for site disturbance.

- Sampling of soils in general accordance with ASTM D-1586 and ATSM D-1587.
- Obtain groundwater levels in the test borings at the time of drilling and upon completion of the drilling operations.

002 – Geotechnical Services - Laboratory Services

- As soil conditions dictate, laboratory testing may include visual soil classification (ASTM D-2488), moisture content tests (ASTM D-2216), Atterberg limit tests (ASTM D4318), and permeability testing.

003 – Geotechnical Services

- Analysis of the seepage potential through the dam embankment and foundation soils. For water budgeting purposes, estimated seepage rates through the embankment and foundation will be provided.
- Slope stability analysis will be performed for the following conditions: steady state seepage, seismic, rapid drawdown and end of construction.
- Sand was encountered and recommendations will be provided for one solution of either a cutoff trench, seepage berm, or inverted filter within the downstream channel. If pressure relief wells are needed, the additional fees of noted in Exhibit B will be needed.

Additional Design Phase Services: Easement Documents and Field Survey

Due to the timing of the planned construction in relation to the design phase services, additional time was incurred to prepare and modify easement documents during the property owner negotiation process. Also, additional field survey work is needed because of future development that may occur around Site 77 to define legal descriptions and easement maps.

Phase 190 –Easement documents

001 – Engineering

Additional hours were incurred associated with the easement documents and maps.

002 – Additional Field Survey for section corners at Site 77

Additional boundary survey will be performed to locate section corners, property corners, and any other corners necessary to establish land ownership.

Additional Design Phase Services: Site 77 Alternative Analysis

Design alternative will be considered for the planned 72-inch principal spillway pipe at Site 77. Alternatives are being considered because of potential constructability concerns and cost associated with the larger pipe size. After the design alternatives have been discussed with the NRD and NRCS, a preferred alternative will be selected. Redesign efforts will be required for Site 77 based upon the selected alternative. At this time, we have scoped this changed assuming a single 48-inch principal spillway pipe and lower the permanent pool by 2 feet. Those changes are detailed below:

Phase 200 –Site 77 documents

001 – Evaluate Options:

- Olsson will evaluate three alternative principal spillway designs for the dam at Site 77. Those alternatives will include:
 - Two 48-inch principal spillway pipes
 - One 48-inch principal spillway pipe and lower pool
 - One 48-inch principal spillway pipe and widen auxiliary spillway
- Discussions with the NRD and NRCS will occur regarding the alternatives and one alternative will be selected for redesign

002 – Redesign of Preliminary and Final Design of Dam and Spillway

Olsson will prepare detailed drawings (final design) for the proposed construction work and for equipment and materials required under the Agreement. Generally, the redesign effort will include the following areas:

- Embankment Layout and Sizing
- General Reservoir Layout and Grading Plans
- Principal Spillway Alignment
- Principal Spillway Plan and Profile
- Cross Sections for Spillways and Dam Embankment

Additional Design Phase Services: 90% Review

The original contract only included a 60% and Final submittal and associated comments from NRCS.

Phase 210 –90% Review documents

001 – Engineering Support

Additional hours were incurred because of the additional 90% submittal and comments and those associated costs are included in this phase of the amendment.

Additional Environmental Services

Olsson has been requested to complete the Depletion Calculations and Biological Assessments for the 2nd six dams, which was not included in our original contract. Below are the services associated with that additional service.

Phase 220 – Depletions Calculations & Biological Assessments

001 – Depletion Calculations

Olsson will complete the Nebraska Natural Resources Conservation Service (NRCS) and United States Department of Agriculture (USDDA) Consumptive Use Calculator for Sites 55, 66, 77, 84, 85, and 86 to determine the operational depletions or accretions due to the construction of these dry dam features.

Olsson will first use geographic information system (GIS) data and a review of aerial imagery and topography to prepare figures depicting the pre-construction and post-construction land use within the overflow elevation of the dam as described in the calculator. Once land use area is known, Olsson will input those areas into the calculator to determine the annual depletion/accretion acre-feet.

Olsson will prepare a memo describing the results for each site to be attached to the Biological Assessment.

Assumptions

Olsson assumes one round of edits based on NRCS or United States Fish and Wildlife Service (USFWS) comments.

002 – Biological Assessment

Olsson will complete a USFWS Biological Assessment for both federally and state listed threatened and endangered species within the dam site areas. The assessment will describe the habitat and threats facing each species and a detailed determination of whether the project is likely to have impacts on these species or their habitat. Olsson will complete the Information for Planning and Consultation (IPaC) packet for each dam site which includes details on how and when work will be completed. The IPaC will include any 4(d) keys or species reviews necessary. The primary concern for these projects will be species associated with the Platter River and protected bat species including the northern long-eared bat (*Myotis septentrionalis*) and tricolored bat (*Perimyotis subflavus*). The NRCS-USDA Consumptive Use Calculator results will be discussed, and the report will be attached to the Biological Assessment. Information areas of trees and timing of tree removal will be used to determine impacts to bat species. While the Biological Assessment will focus on these species, all species identified in the IPaC Species List and Nebraska Game and Parks Commission (NGPC) Conservation and Environmental Review Tool (CERT) will be addressed in the assessment.

Assumptions

Olsson assumes no more than two rounds of comment response from NRCS and no more than two rounds of comment response from USFWS.

Olsson assumes that no changes in the NRCS and USFWS programmatic agreement for depletions.

While Olsson is including the tricolored bat which is not currently listed, Olsson assumes that no additional species will be listed as state of federally threatened or endangered and that no currently listed species status will change during the preparation of the Biological Assessment.

SCHEDULE FOR OLSSON'S SERVICES

Unless otherwise agreed, Olsson expects to perform its services covered by this Amendment as follows:

Anticipated Design Start Date: November 1st, 2023

Anticipated Completion Date: March 31st, 2025 (Design phase services)

Olsson will endeavor to start its services on the Anticipated Start Date and to complete its services on the Anticipated Completion Date. However, the Anticipated Start Date, the Anticipated Completion Date, and any milestones are subject to adjustment to account for any delays caused by Client, delays caused by third parties, or delays caused by acts of god or for reasons otherwise mutually agreed upon by Client and Olsson.

Depletion Schedule Note: Olsson will complete the consumptive use calculations for all six remaining sites within 45 days of notice to proceed.

Biological Assessment Schedule Note: Olsson will complete the draft Biological Assessment with 60 days upon notice to proceed so long as all necessary design information is available. If design information is not available Olsson will attempt to meet the 60-day schedule but may require additional time to evaluate design changes and how they affect the assessment. Once comments are received from NRCS and/or USFWS, Olsson will provide responses to those comments within 14 days.

COMPENSATION

For the additional Scope of Services specifically set forth in this Amendment, Client shall pay Olsson the following fee in addition to the fee(s) set forth in the Agreement:

Rates used to establish Design fees for future calendar years (2024-2025) in this contract are based on an assumed 4% escalation year over year. Olsson reserves the right to evaluate future calendar year fees in light of inflationary economic trends and coordinate with the Client on fair and reasonable fee adjustments accordingly.

DESIGN & PERMITTING FEE

Client shall pay to Olsson for the performance of the Scope of Services, the actual time of personnel performing such services on an hourly cost basis times a factor of 3.085 for services rendered by our principals and employees engaged directly on the Project, and all actual reimbursable expenses in accordance with Reimbursable Expense Schedule attached to this Agreement. Olsson shall submit invoices on a monthly basis and payment is due within 30 calendar days of invoice date.

Olsson's Scope of Services will be provided on a time and expense basis not to exceed the Part I fee of \$559,431.79 (increase of \$29,065), and the Part II fee of \$1,585,026 (increase of \$203,989).

TERMS AND CONDITIONS OF SERVICE

All provisions of the original Agreement not specifically amended herein shall remain unchanged.

If this Contract Amendment satisfactorily sets forth your understanding of our agreement, please sign in the space provided below. Retain a copy for your files and return an executed original to Olsson. This proposal will be open for acceptance for a period of 30 days from the date set forth above, unless changed by us in writing.,

OLSSON, INC.

By Andrea Adams
Andrea Adams

By Andrew M. Phillips
Andrew M. Phillips

By signing below, you acknowledge that you have full authority to bind Client to the terms of this Amendment. If you accept this Amendment, please sign:

Lower Platte North NRD

By _____
Signature

Printed Name _____

Title _____

Dated: _____

ATTACHMENTS

- Exhibit A- Part I Additional Services
- Exhibit B- Part II Additional Services

Date: Job:		Exhibit B: Seven Sites (Part II)		LABOR HOURS														EXPENSES						TOTALS																	
Phase/ Task	Description of Work			Water Resources				Environmental			Geotechnical				Survey			Cultural Res. Sub	Travel, mile (Car)	Travel, mile (Surv Vehicle)	Prints, each	GPS	Misc	Total Man-Days	Total Labor Fee	Total Expense Fee	Total Fee														
		Principal & QA/QC	Project Manager	Senior Staff	Technical Staff	Project Professional	Senior Environ. Scientist	Project Scientist	Design Associate	Senior Field Rep.	Lead Geotech Engineer	Industry Expert	Associate Engineer	Technician	Drill Crew and Rig	2-Man Crew	CAD Operator	Crew Leader																							
		\$0.00	\$156.00	\$135.00	\$105.00	\$224.84	\$165.00	\$90.00	\$85.00	\$100.00	\$185.00	\$240.00	\$90.00	\$65.00	\$220.00	\$77.00	\$77.00	\$77.00	\$1.00	\$0.58	\$0.75	\$1.05	\$1.00	\$1.00																	
Phase 100	Project Management																																								
Task 001	Project Management		92.00																																						
Task 002	Meetings with Client		20.00																																						
Task 004	Board Presentation		4.00																																						
Phase 100 Total		0.00	116.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																							
Phase 180	Geotechnical Engineering																																								
Task 001	Geotechnical Engineering/Lab/Drilling										20.00	10.00	137.00	60.00	91.00																										
Task 002	Pressure Relief Well Design			30.00	104.00	14.00					15.00	5.00	72.00																												
Phase 180 Total		0.00	0.00	30.00	104.00	14.00	0.00	0.00	0.00	0.00	35.00	15.00	209.00	60.00	91.00	0.00	0.00	0.00																							
Phase 190	Easement Documents and Field Survey																																								
Task 001	Engineering		8.00	10.00	70.00																																				
Task 002	Additional Field Survey Site 77															65.00																									
Phase 190 Total		0.00	8.00	10.00	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.00	0.00	0.00	0.00																							
Phase 200	Site 77 Alternative Analysis and Redesign																																								
Task 001	Alternative Analysis			10.00	36.00																																				
Task 002	Redesign based upon selected alternative			75.00	133.00	30.00					50.00																														
Phase 200 Total		0.00					0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																							
Phase 210	90% Review Documents																																								
Task 001	Engineering Support			35.00	101.00	20.00																																			
Phase 210 Total		0.00	0.00	35.00	101.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																							
Phase 220	Depletions Calculations & Biological Assessments																																								
Task 001	Depletion Calculations						15.00	60.00	28.00																																
Task 002	Biological Assessments						36.00	135.00	78.00																																
Phase 220 Total		0.00	0.00	0.00	0.00	0.00	51.00	195.00	106.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																							
GRAND TOTAL		0.0	124.0	75.0	275.0	34.0	51.0	195.0	106.0	0.0	85.0	15.0	209.0	60.0	91.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	208.64	\$ 203,989	\$ -	\$ 203,989

Invoice



601 P St Suite 200
PO Box 84608
Lincoln, NE 68501-4608
Tel 402.474.6311, Fax 402.474.5063

May 23, 2024
Invoice No: 498838

Ryan Chapman
Lower Platte North NRD
PO Box 126
Wahoo, NE 68066-0126

Invoice Total \$4,155.31

Olsson Project # 023-00443 LPNNRD Wahoo Creek Watershed Flood Reduction Project Real Estate Services
Professional services rendered through May 4, 2024 for work completed in accordance with our Agreement dated February 17, 2023.

Phase 100 Real Estate Acquisitions

Labor		
	Hours	Amount
Principal	17.00	4,034.27
Administrative/Clerical	.25	18.90
Totals	17.25	4,053.17
Total Labor		4,053.17

Reimbursable Expenses		
Personal Vehicle Mileage		46.90
Shipping and Delivery		55.24
Total Reimbursables		102.14

Total this Phase \$4,155.31

Billing Limits	Current	Prior	To-Date
Total Billings	4,155.31	49,106.77	53,262.08
Limit			210,000.00
Balance Remaining			156,737.92

AMOUNT DUE THIS INVOICE \$4,155.31

Billings to Date	Current	Prior	Total
Labor	4,053.17	45,745.45	49,798.62
Expense	102.14	3,361.32	3,463.46
Totals	4,155.31	49,106.77	53,262.08

Email invoices to: rchapman@lpnnrd.org; selliott@lpnnrd.org and CC: jbreunig@lpnnrd.org

Authorized By: Danielle Allen

JOINT FUNDING AGREEMENT

For

USGS STREAMGAGE TREND ANALYSIS

in the LOWER PLATTE RIVER

The “JOINT FUNDING AGREEMENT for the USGS STREAMGAGE TREND ANALYSIS” (hereinafter referred to as “the Agreement”) to be executed by and among the Lower Platte South Natural Resources District, on behalf of the Lower Platte River Corridor Alliance and the following agencies (herein after referred to as “the Partners”).

Lower Platte North Natural Resources District;

Papio-Missouri River Natural Resources District;

Nebraska Department of Natural Resources;

Nebraska Game and Parks Commission;

University of Nebraska Institute of Agriculture and Natural Resources;

Metropolitan Utility District; and

City of Lincoln - Water

The Partners agree as follows.

Scope of work

Real-time continuous water quality monitoring data has been collected by USGS personnel and equipment in cooperation with the Lower Platte River Corridor Alliance in the Platte River over the past 17 years. Monitoring devices include streamgages on the Platte River at Louisville, Elkhorn River at Waterloo, Platte River at Leshara, and Salt Creek near Ashland. Water quality data collected include temperature, turbidity, dissolved oxygen, specific conductance, nitrate/nitrite and others as available. Data has been displayed in real-time over the internet and collected generally March through October each year. Datasets are now sufficient to begin looking for potential water quality trends that are occurring. These data will be examined using modeling techniques to account for wet and dry years or missing data and detect water quality trends or facilitate comparisons between sites to better understand how the water quality in the Lower Platte River has changed over the monitoring period. The start time

for the trend analysis project is July 1, 2024, and is anticipated to be completed in two years.

Funding

The Lower Platte South Natural Resources District, on behalf of the Lower Platte River Corridor Alliance, will hold and disburse funds from all Partners as needed for this study. Each partner will provide \$5,843 in December 2024 (FY25) and \$4,137 in December 2025 (FY26) for a total of \$9,980 for the three-year agreement. The total cost of the Trend Analysis Project is \$148,100 with USGS contributing \$53,260. The local match of \$94,840 will be funded by a \$15,000 Section 319 Small Grant through NDEE and the eight partners will fund the remaining balance of \$79,840.

Effective date

The agreement shall become effective upon execution by all parties.

Duration of agreement

The agreement shall run through October 31, 2026, when all required funds have been received, data collection completed, and final report of the trend analysis is written.

This Agreement is hereby approved and executed by the following parties on the dates shown below.

IN WITNESS WHEREOF, this JOINT FUNDING AGREEMENT for the USGS STREAMGAGE TREND ANALYSIS for the LOWER PLATTE RIVER CORRIDOR ALLIANCE is executed by the Lower Platte South Natural Resources District on this ____ day of _____, 2024, pursuant to approved action by its Board of Directors.

LOWER PLATTE SOUTH NATURAL RESOURCES DISTRICT

By:

Mike Sousek, General Manager

This JOINT FUNDING AGREEMENT for the USGS STREAMGAGE TREND ANALYSIS for the LOWER PLATTE RIVER CORRIDOR ALLIANCE is executed by the Lower Platte North Natural Resources District on this ____ day of _____, 2024, pursuant to approved action by its Board of Directors.

LOWER PLATTE NORTH NATURAL RESOURCES DISTRICT

By:

Eric Gottschalk, General Manager

This JOINT FUNDING AGREEMENT for the USGS STREAMGAGE TREND ANALYSIS for the LOWER PLATTE RIVER CORRIDOR ALLIANCE is executed by the Papio-Missouri River Natural Resources District on this ____ day of _____, 2024, pursuant to approved action by its Board of Directors.

PAPIO-MISSOURI RIVER NATURAL RESOURCES DISTRICT

By:

John Winkler, General Manager

This JOINT FUNDING AGREEMENT for the USGS STREAMGAGE TREND ANALYSIS for the LOWER PLATTE RIVER CORRIDOR ALLIANCE is executed by the Nebraska Department of Natural Resources on this ____ day of _____, 2024,

NEBRASKA DEPARTMENT OF NATURAL RESOURCES

By:

Thomas Riley, Director

This JOINT FUNDING AGREEMENT for the USGS STREAMGAGE TREND ANALYSIS for the LOWER PLATTE RIVER CORRIDOR ALLIANCE is executed by the Nebraska Game and Parks Commission on this ____ day of _____, 2024,

NEBRASKA GAME AND PARKS COMMISSION

By:

Tim McCoy, Director

This JOINT FUNDING AGREEMENT for the USGS STREAMGAGE TREND ANALYSIS for the LOWER PLATTE RIVER CORRIDOR ALLIANCE is executed by the University of Nebraska Institute of Agriculture and Natural Resources on this ____ day of _____, 2024,

UNIVERSITY OF NEBRASKA INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES

By:

Michael Boehm, Vice Chancellor

This JOINT FUNDING AGREEMENT for the USGS STREAMGAGE TREND ANALYSIS for the LOWER PLATTE RIVER CORRIDOR ALLIANCE is executed by the Metropolitan Utilities District on this ____ day of _____, 2024,

METROPOLITAN UTILITIES DISTRICT

By:

Kendall Minor, Sr. VP Chief Operations Officer

This JOINT FUNDING AGREEMENT for the USGS STREAMGAGE TREND ANALYSIS for the LOWER PLATTE RIVER CORRIDOR ALLIANCE is executed by the City of Lincoln on this ____ day of _____, 2024,

CITY OF LINCOLN

By:

Leirion Gaylor Baird, Mayor



May 17, 2024

RE: Lower Platte North NRD Hazard Mitigation Plan Round One Public Meeting

Dear Hazard Mitigation Planning Participant,

The Lower Platte North NRD is beginning the first phase of its Hazard Mitigation Plan update. A hazard mitigation plan examines regional and local vulnerabilities to a range of hazards (e.g., flooding, severe winter storms, drought, etc.) and identifies strategies and projects to reduce their impact. Your jurisdiction is required to attend a meeting in order to participate in the plan. Once a community, county, or district (School District, Fire District, Drainage District, etc.) is part of an approved plan, they become eligible for up to a 75% cost share from the Federal Emergency Management Agency (FEMA) for a variety of projects listed in the plan.

FEMA requires at least one representative from your jurisdiction to attend planning meetings. Each meeting will last approximately 1 to 1.5 hours. The first two meeting options can be attended in-person or virtually. The third meeting option is virtual only. Please **attend one** of the three options.

The first round of planning meetings will be held in:

- **Wahoo:** Monday, **June 17, 2:00 pm** at the Clint Johannes (Lake Wanahoo) Education Building, 1655 County Road 16, Wahoo, NE 68066
 - Or Join Online at <https://us02web.zoom.us/j/83988928199>
- **David City:** Thursday, **June 20, 6:30 pm** at the Hruska Memorial Library, 399 N 5th St, David City, NE 68632
 - Or Join Online at <https://us02web.zoom.us/j/82665220770>
- **Virtual Option:** Wednesday, **June 26, 10:00 am**
 - Join Online at <https://us02web.zoom.us/j/89276107971>

If you are joining online, you can access and download your jurisdiction's meeting worksheets starting June 14th by visiting this Google Drive link: <https://bit.ly/LowerPlatteNorth-GoogleDrive>.

Lower Platte North NRD is working with JEO Consulting Group to help update the plan. **Please RSVP** to one of the meetings by contacting Anthony Kohel, JEO Planner, at (402) 474-8753 or akohel@jeo.com. For more information, you can visit the project website at <https://www.jeo.com/lpnnrd-hmp>. If you have any questions, please contact the Lower Platte North NRD, JEO, or your county emergency manager. We are looking forward to seeing you at the first round of meetings!

Sincerely,

Anthony Kohel, Planner
JEO Consulting Group
On behalf of Lower Platte North NRD

cc. Ryan Chapman, Lower Platte North NRD
Mark Doehling, Butler County EM; Tom Smith, Dodge County EM; Terry Miller, Saunders County EM; Tim Hofbauer, Platte County EM;
Mark Arps, Colfax County EM



