
PROJECT APPLICATION

Dickinson County Water Quality Commission
Cover Sheet

1. Applicant Organization Lakewood Park Association
Street address 2430 Burr Oak Circle
City Wahpeton
State Iowa
Zip 51351
Email Joe61meyer@gmail.com
Phone 712-339-5830
Organization contact Joe Meyer
 2. Project title: Save Turtle Lake
Location Wahpeton, Iowa
 3. Project Director (if different than organization contact) Same as organization contact
Street address
City
State
Zip
Email
Phone
 4. Application submission date: 1 October 2024
 5. Brief description (75 words or less) of project, including expected results: Turtle Lake depth ranges 2 to 4 feet from accumulation of silt and sediment over the last 110 years. The shallow depth has significantly reduced wildlife numbers, especially turtles and fish. Turtle Lake serves as a holding area and prevents sediment from leaking into West Lake Okoboji. Dredging Turtle Lake and adjacent canals to a depth of 8-10 feet will enhance water quality, enhance public access and experience for fishing, canoeing and kayaking.
 6. Amount requested through this grant application is \$350,000.00
 7. Matching funds:
Hard match \$350,000.00 (Anything paid for with real money)
- Source(s) Residents of Lakewood Park have pledged over \$350,000 to be collected once funds have been secured to complete the project. These pledges are made with a signed pledge form. Residents have requested that the pledges remain anonymous, therefore we have not attached all the completed forms to the grant application. However, if the grant evaluation team requests the pledge forms, they will be provided. We ask that they remain confidential.
- Soft match \$5,000.00 (Anything not paid with real money but has a value)
Source(s) Residents of Lakewood Park
Other support Lakeside Labs water quality testing and project administration and oversight by Lakewood Park Residents

- a. **Amount of Federal, State or other public cash match money already acquired or in process (list all and status):** \$0.00
- b. **Amount of private cash match funds:** \$350,000.00
- c. **Source of public and/or private cash match (list all):** Wahpeton residents and additional donors from the public who kayak, fish and boat in the lake, or are concerned about water quality enhancements.

Is the project a portion of a larger, overall project to be implemented over a multi-year period?
Yes No X If yes, describe in project narrative and include in budget form as instructed.

**** The Water Quality Commission will only obligate funds for current fiscal year.
Any multi-year projects will be allowed to re-apply in subsequent years***

Type of project (select all that apply):

- X Public education, public awareness and information dissemination
- X Creation or maintenance of Best Management Practices
- Erection and maintenance of storm water run off facilities
- X Bank stabilization Water treatment
- X Water monitoring
- X Watershed protection
- X Activities to abate and remove invasive species
- X Any other activity which will improve, protect or enhance the quality of water in the lakes in Dickinson County

Estimated project dates:

- a. Start 1 September 2025 b. Completion 15 December 2025
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Applicant's signature. Upon signing in the space provided below, the applicant agrees to conform to the requirements pertaining to:

- **Civil Rights Assurance of Compliance:** The applicant hereby agrees that it will comply with Title VI of the Rights Act of 1964, 1873 and the age Discrimination Act of 1975 to the end that no person in the United States shall on the grounds of race, color, national origin or otherwise subjected to discrimination under any program or activity for which the Applicant-Recipient receives grant funds and hereby gives assurance that it will immediately take any measures to effectuate this agreement.

This assurance is binding on the Applicant-Recipient, its successors, transferees, and assignees, and the person or person whose signature appears below are authorized to sign this assurance on behalf of the Applicant-Recipient.

_____ **Applicant's name and title**

_____ **Date**

REQUIRED BUDGET FORM

See Application Guidelines for this form.

Proposed Budget for Current Grant Request Year (fill out with just the match for this year's WQC match if this is a multi-component, multi-year project, please fill out the second budget form with the entire budget and any anticipated grant dollars expected to be sought from WQC in future requests)

	<u>Commission</u>	Hard Match*	Soft Match**	<u>Total</u>
1. Staff	\$ _____	\$ _____	\$5,000.00	\$5,000.00
2. Supplies and Services	\$350,000.00	\$350,000.00	\$ _____	\$700,000.00
3. Equipment	\$ _____	\$ _____	\$ _____	\$ _____
4. Travel	\$ _____	\$ _____	\$ _____	\$ _____
5. Water Monitoring	\$ _____	\$ _____	\$ _____	\$ _____
5. Land Acquisition	\$ _____	\$ _____	\$ _____	\$ _____
6. Land Development	\$ _____	\$ _____	\$ _____	\$ _____
7. Other	\$ _____	\$ _____	\$ _____	\$ _____
Total	\$350,000.00	\$350,000.00	\$5,000.00	\$705,000.00

* **Hard Match** is “real money spent” toward project goal.

** **Soft Match** is money indirectly spent toward project goal. (This is important but not included in the dollar amount for points).

BUDGET NARRATIVE: Attach a Budget Narrative. Follow directions in Application Guidelines.

Lakewood Park residents are promoting the restoration of Turtle Lake. The intent is to dredge the entire lake, beginning at Spencer Beach Bridge entrance continuing to the Bridge Street bridge. A clear connection to these two West Lake areas will increase water flow and water quality, improve navigation and provide a more desirable wildlife habitat in Turtle Lake. Shoreline retention practices are being implemented along the north shore of Turtle Lake beginning in September of 2024 to prevent silting into the lake. Rep rap installation, planting native grasses and plants 10 feet deep along the shoreline will prevent/reduce soil erosion into the lake. After the dredging is completed, the west and south shorelines will have similar application to prevent erosion into Turtle Lake.

See supplemental Budget Narrative attached.

TASKS AND DELIVERABLES: Attach a list of Tasks and Deliverables following the Application Guidelines included in this packet.

Upon acquiring the necessary funds, the Lakewood Park Association will begin the permitting process. Once the permits are in place, Phase Two, dredging will begin. Pledges in the amount of \$350,000 have currently been received. The total project cost estimate is \$700,000.00. The dredging company (The Superior Seawalls & Docks, Inc.) and the site for disposal (1869 170th Avenue Milford, IA 51351) have been carefully selected. The entire area will have a target depth of 8 to 10 feet. Most docks and hoists will be removed to facilitate the process and the sediment will be trucked to the offside disposal location.

See the attached Tasks and Deliverables narrative.

PROJECT NARRATIVE

Attach project narrative following the instructions in application guidelines, including:

STATEMENT OF PROJECT NEED:

Turtle Lake and the associated canals connect to West Lake Okoboji. Sediment build up and shoreline erosion has resulted and a shallow 2 to 4 foot lake. There is a significant reduction in fish, turtles, and other aquatic wildlife.

STATEMENT OF PROJECT BENEFITS TO WATER QUALITY

PUBLIC AWARENESS PLAN

LAND ACQUISITION AND DEVELOPMENT: *If the project involves land acquisition and development, fill out the requested information below. See application guidelines for details.* (Note: Land Development is any activity on a piece of ground that constitutes improving the land, developing the land, or otherwise impacting the land)

Project Location: Turtle Lake in Wahpeton, Iowa No land acquisition is planned.

Environmental, Economic and Social Impacts of Project (Demonstrate project impact to water quality and project need in this section)

Historical, Archaeological, and Architectural Features/ Impacts/Land Acquisition, Development

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Project's Relationship to State, Local and County Plans

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Agreements and Easements/Land Acquisition/Development

No easement or land acquisitions are needed.

Maintenance Plan and Data Rights



September 28, 2023

Re: Dredging Project

To Whom it May Concern:

The Lakewood Park Association is considering a navigation maintenance project in the pond and canals adjacent to West Okoboji Lake. The project would remove soft sediment and organic material that has accumulated over the past several decades.

Shoreline erosion protection and watershed management practices can slow this accumulation, but periodic maintenance is still necessary to maintain depth. Iowa Administrative Code 571, Chapter 13 allows for the maintenance of existing canals on natural lakes which were legally constructed prior to 2009.

The pond and canals provide shallow, protected aquatic habitat for a variety of aquatic plants and animals. A project that deepens portions of the pond and canal system can increase habitat diversity for many important aquatic species. These types of projects can also add additional capacity and help intercept sediment and nutrients before they can reach the lake.

This Lakewood Park pond and canals provide recreational opportunities and is open to public navigation. This area has traditionally been a favorite spot for spring fishing and other quiet sports.

The Iowa DNR continues to advise the Association on appropriate techniques and permitting.

Sincerely,

A handwritten signature in black ink that reads "Michael Hawkins". The signature is written in a cursive style with a large, prominent "M" and "H".

Michael Hawkins
Spirit Lake District Fisheries Biologist
Iowa Department of Natural Resources



IOWA LAKESIDE LABORATORY

To: Dickinson County Water Quality Commission

From: Executive Director Mary Skopec
Iowa Lakeside Laboratory Regents Resource Center

Subject: Letter of Support 2024 Turtle Lake Water Quality Grant

Dear Commissioners:

Iowa Lakeside Laboratory supports the Turtle Lake grant application for the proposed lake restoration work, including removal of sediment from the lake. Delivery of sediment and associated nutrients (such as phosphorus) to the Iowa Great Lakes is a critical resource issue since these pollutants feed noxious blue-green algae blooms, which are a threat to drinking water and recreational quality. The shallow depth of Turtle Lake makes it prone to leak sediment and nutrients to West Lake Okoboji due to the ease with which boats and other wave action resuspends sediments in the lake. The proposed actions will be valuable in reducing the delivery of sediment and nutrients.

The Iowa Department of Natural Resources uses a number of tactics to restore and enhance shallow lakes and dredging accumulated sediment is typically a necessary step to provide more water depth and keep sediments from being resuspended in the water column. The hope is that by addressing the accumulated sediment, natural vegetation will colonize the area and further stabilize the lake sediments. The added benefit is natural/native vegetation will provide a critical line of defense against further encroachment by invasive species.

In addition, the restoration of the Turtle Lake will serve to protect and improve West Okoboji by intercepting storm water runoff from the neighborhood. By retaining water before it can reach the lake, the lake will allow processing of nutrients and settling of dirt or sediment particles. The lake is also an important ecological resource and provides habitat for valuable species including amphibian populations.

For these reasons, Iowa Lakeside Lab is pleased to be able to support this project and encourages the Dickinson County Water Quality Commission to consider providing funding to this worthwhile project.

Sincerely,

Mary Skopec, Ph.D.
Executive Director

Iowa Lakeside Laboratory: Regents Resource Center
1838 Hwy 86

Iowa Lakeside Laboratory
Regents Resource Center
1838 Highway 86
Milford, IA 51351
phone: 712-337-3669
fax 712-337-0227
iowalakesidelab.org

DIVISION OF CONTINUING EDUCATION

Milford, IA 51351
712-337-3669 Ext 5

Mary-Skopec@uiowa.edu

250 Continuing Education Facility
Iowa City, Iowa 52242-0907
319-335-2575 800-272-6430
Fax 319-335-2740
dce@uiowa.edu
www.continuetolearn.uiowa.edu



Clean Water Alliance
60 Plato Blvd E Ste 210
Saint Paul, MN 55107

Dear Grant Committee,

On behalf of the Okoboji Foundation, I am pleased to express our enthusiastic support for the Lakewood Park Association's application for the Clean Water Alliance Grant. As a partner organization assisting with the back-office management of donations, we fully support their commitment to improving water quality and protecting the natural resources of the Lakes region.

Lakewood Park Association's proposed project aligns with the goals of the Clean Water Alliance by fostering environmental stewardship and restoring critical resources. The project demonstrates measurable outputs to achieve water quality objectives, which will contribute to the overall health and sustainability of our precious local waters. Clean water is essential to our community's well-being and future, and this initiative will have lasting benefits for the entire Lakes area.

We believe this project represents not only a meaningful conservation effort but also an opportunity to change lives through engagement in vital environmental programs. We are proud to partner with the Lakewood Park Association and look forward to seeing the positive impact of this work.

Thank you for considering their application. We are confident this project will significantly advance water quality objectives and enhance the environmental vitality of our region.

Sincerely,

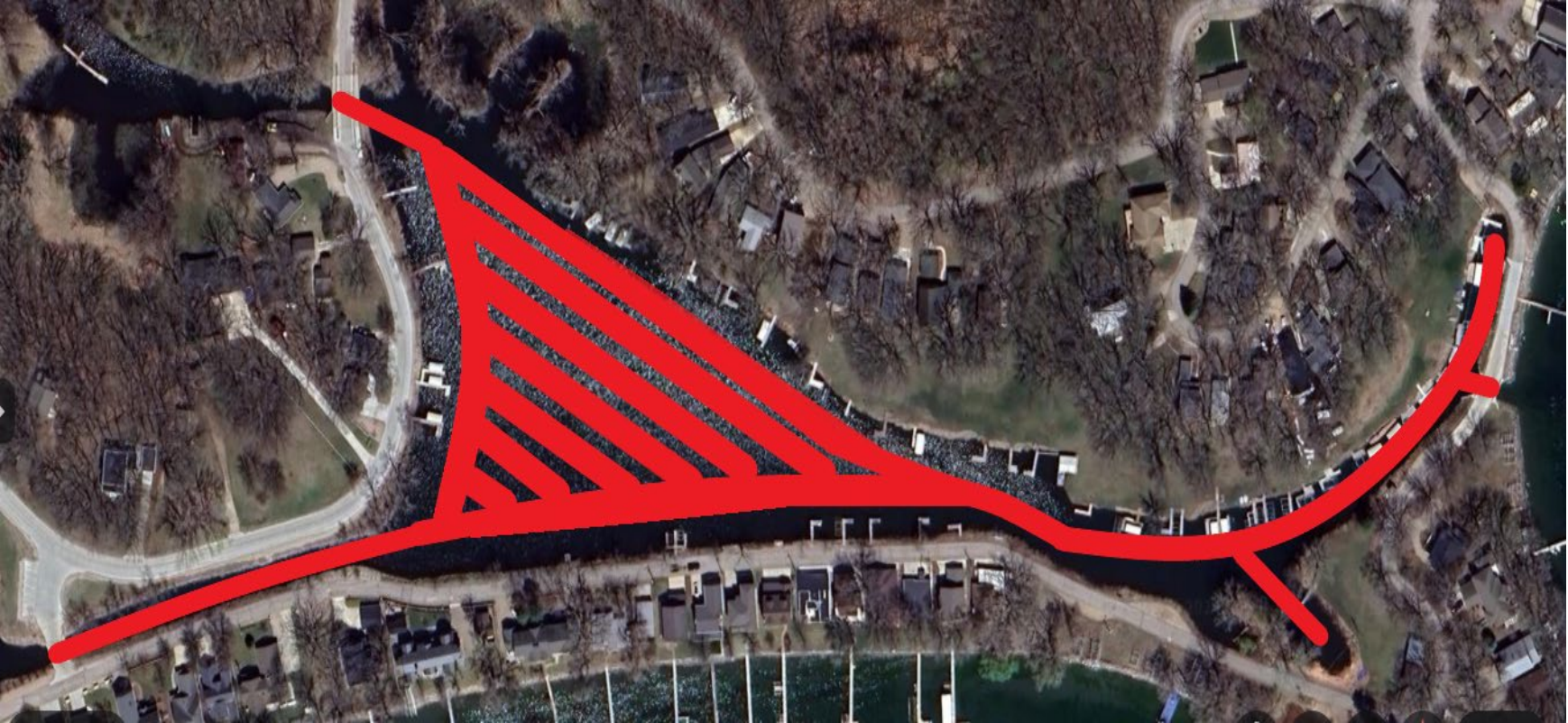
A handwritten signature in blue ink that reads "Mindy Gress". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Mindy Gress, *CFRE*

President, Okoboji Foundation

712-332-7177 | P.O. Box 593, Okoboji, Iowa 51355

mindy@okobojifoundation.org



Project Goal: \$700,000

PLEDGE NOW to support the dredging of Turtle Lake!

Pledge Information

Pledge Amount:

Planned pledge payment type, i.e. cash, securities, IRA, etc. (This is not binding. This is to ensure we provide you the correct information for giving upon collection.)

Contributor Information

Full Name:

Address:
City, State, Zip:

Phone Number:

Email Address:

Signature(s):

Date:

EMAIL YOUR PLEDGE TO:
save.turtle.lake@gmail.com

or

Mail/Deliver to:

Joe Meyer
2430 Burr Oak Circle
Milford, IA 51351

Project Mission

Turtle Lake and the canals have become holding areas for nutrient runoff from the western shores of West Lake Okoboji. These areas are now filled with over 100 years of sediment, jeopardizing water quality without any buffer zone to manage the runoff. After dredging, it's expected that natural aquatic vegetation will colonize the lake, stabilize the sediments, and provide a defense against invasive species. These backwaters are among the few natural settings left on the Okoboji system for public enjoyment. Increased water depth from dredging will create better habitats for fish and aquatic plants and improve access for small paddle-driven boats, enhancing fishing opportunities by restoring fish habitats.

Project Details	
Scope of work	Dredge to original 1910 depth
Included Areas	Turtle Lake to Spencer Beach
Estimated Start	September 2025
Duration	2-3 months
Disposal of Spoils	Trucked to local farm ground

SAVE Turtle Lake

Turtle Lake Restoration Project



FUNDRAISING FAQ'S

- Board and Committee Members have already pledged over \$100,000.
- Outside funding, including grants and other contributions, will be actively pursued from July to December.
- Partnership with the Okoboji Foundation allow donations to be tax-deductible, including gifts of stock and IRA rollovers.
- Successful completion of this project may help secure grant funding for future work to dredge the back canals connected to Miller's Bay canals.
- Your pledge will be due once we raise the full \$700,000. When we reach this goal, we'll contact you with details on how to fulfill your pledge via Check, Credit Card, Securities, or Retirement Plan Assets, which may qualify as a charitable deduction.

WAVES OF IMPACT

For a campaign of this size, we can provide an overview of the number of gifts needed at each level and illustrate how your contributions can impact the overall goal. This tool is designed to help you identify where you can realistically make a significant impact.

Where do you feel confident in contributing?

1	\$75,000
1	\$50,000
3	\$25,000
8	\$15,000
16	\$10,000
20	\$7,500
10	\$5,000
8	\$2,500

RIPPLES OF CHANGE

Sediment & Phosphorus

Remove sediment and control phosphorus buildup to restore Turtle Lake and prevent runoff into West Lake



Fish Habitat

Create a healthy environment for fish spawning and improve the fishery.



Restore Lake

Enhance lake depth and appearance for recreational use, including kayaks, canoes, fishing boats, etc.



Hopper Barge Dredging Proposal Lakewood Park Association



Superior Seawalls, Docks & Dredge

26904 124th Ave West

Illinois City, IL 61259

877.875.2463

January 4th, 2023

Project Name – Hopper Barges Silt Removal

Project # 12-14-2022

Client

Lakewood Park Association

Minimum

Attention – Mr. Trent Davidson

x 4' Deep

1950 Edgewater Drive

Wahpeton, Iowa

Project Size

Main Bid - Dredge Project Based On 20,000 Cb Yds

Option 1 - Dredge West Branch Channel +/- 460' L x 25' w

To Be Remove +/- 1,800 Cubic Yards

Contact

605.929.5002 Trent

trentd75@yahoo.com

IMPORTANT NOTES #1

1. See Attached Disposal Site Location
2. Silt Disposal Site Per Attached + or – 4.8 Miles Away
3. Any Mechanical Methods Can Be Used To Dredge

Hopper Barge Dredging - Scope Of Work – Broken Down By Line Item Prices On Page 2 Of 3

1. Mobilize All Barges, Boats, Dump Trucks, Excavators, Dozer To Project
2. Prep Disposal Site, Access Road & Berms
3. Build Unloading Area With Sheet Pile & Or Crane Mats
4. Mark Location Of Silt To Be Removed With PVC Pipe & Buoys.
5. Use (1) 39,000 lbs Excavators On Sectional Barges To Load Hopper Barges
6. Transport Hopper Barges To Unloading Area
7. Use Excavator To Load Dump Trucks
8. Take Silt By Truck To Client Provide Disposal Area Within (2) Miles
9. As Needed Use Dozer To Keep Disposed Silt Piled Up Tight
10. Provide Daily Silt Quantity Sheet With Date, Time, Truck # & Quantity Of Silt Removed

Equipment

- + or - (2) Sectional Barges - 24' Wide x 40' Long x 4' Deep
- + or - (6) Hopper Barges 12' Wide x 24' Long x 6' Deep
- (2) 38,000lbs Excavators - On Barge Loading Hopper Barges
- (1) 55,000lbs Excavator - On Shore Loading Trucks
- + or - (6) Work Boats With 150 Horse Engines - 8' Wide x 16' – 20' Long
- All Vehicles & Other Support Tools

IMPORTANT NOTES #2

1. Client & Superior To Agree On Capacity Of Trucks & Loading Buckets Prior To Start Of Dredging
2. Client To Have Authorize Person Signed Dredge Logs Daily. This Is How The Yardage Dredge Will Be Counted
3. Silt Removal Time Depends On The Water Depth From Work Area To Unloading Area.
4. With (3) Hopper Barges We Can Move + or – 55 Tandem Loads A Day
5. Each Hopper Can Hold 10 – 18 Cubic Yards Per Load Depend On Water Depth

6. Restoration Of Silt Basin Not Included In Base Bid Or Options, Access Gravel Road To Remain.
7. Dredge Proposal Is Based On \$4.50 Per Gallon Off Road Diesel.
8. We Reserve The Right To Dredge In Any Mechanical Method Available As Needed To Complete Project

Page 1 Of 3

January 4th 2023
Lakewood Park Association

Individual Project Totals

Totals

\$390,000.00.....	Main Bid – HOPPER BARGE DREDGE All Labor, Equipment, Fuel To Complete Dredge Of Selected Quantities Daily Load Count & Yardage Total Provided & Certified By Client Daily \$19.50 – Per Cubic Yard x 20,000 Yards = \$390,000.00
<u>\$40,000</u> .00.....	Option 1 - MOBILIZATION = \$40,000.00 Sectional Barges, Hopper Barges, Push-boats, Excavators, Dump Trucks, Includes All Crane Work
<u>\$40,000</u> .00.....	Option 2 - DEMOBILIZATION = \$40,000.00 Sectional Barges, Hopper Barges, Push-boats, Excavators, Dump Trucks, Includes All Crane Work
<u>\$19,000</u> .00.....	Option 3 - DISPOSAL SITE PREP = \$19,000.00 Disposal Area + or – To Be Determined Based On Final Yardage Scope Of Work , Use Dozer To Strip Topsoil Use For Perimeter Berms + or - 12' Wide x 6' High, Create Drainage During Rainfall.
<u>\$19,000</u> .00.....	Option 4 – ACCESS ROAD = \$19,000.00 Road Size = 16' Wide x TBD Long With Circle Turn Around Road Specs = Geosynthetic Fabric, Reject Rock & CA6 Road Mix Scope Of Work = Use Dozer, Excavator To Prep Area
<u>\$3,400</u> .00.....	Option 5 – SILT SURVEY – Pre & Post Map & Reports Before – <u>Refunded If Client Proceeds With Project</u> Post Survey – Show All Completed Depths & Report
\$ <u>—</u> .00.....	Option 6 – RIP RAP 4"x 8" Rip Rap = \$145.00 Per Scale Ticket Ton Geosynthetic Fabric In Bare Spots. Minimum 16 Ton Truck Loads
\$ <u>—</u> .00.....	Option 7 – PER BOAT LIFT - Placed On Shoreline = \$190.00 Per Lift
\$ <u>—</u> .00.....	Option 8 – PER DOCK - Placed On Shore = \$190.00 Per Dock
<u>\$114,200</u> .00.....	Option 9 – DREDGE - Over 20,000 Cubic Yards = \$19.00 Per CY West Branch Channel +/- 1,800 Cubic Yards = \$34,200.00 CENTER +/- 4,200 CUBIC YARDS = \$80,000
<u>\$30,000</u> .00.....	Option 10 – DREDGE – Per Bridge \$14,000.00 + \$19.00 Per CY
<u>\$6,000</u> .00.....	Option 11 – PERMITS - Dredge, Truck Route, & Disposal Site Army Corps, DNR, & County = \$6,000.00 + Any
Government Fees	

PRE MAP + REPORT COMPLETED Q2 - 2023

ALL READY DOING

Superior Fees Full Credit Applied At Mobilization Of

Equipment

\$ —.00..... *ALL READY DOING* **Option 12** – SHORELINE EROSION EVALUATION & REPORT = \$4,500.00

Project Visit, Document Issues And Provide Detailed Remediation Report & Cost To Repair Proposal

\$ 658,200.00..... **TOTAL OF SELECTED AUTHORIZED ITEMS**

\$ 41,800 CONTINGENCY

Page 2 Of 3

\$700,000 TOTAL

Jan 4th 2022

Lakewood Park Association

Payments & Credits

\$.00..... Total Of Selected Items

\$ 5,000.00..... 1st Project Deposit - Due At Contract Signing - Check # _____

Refundable If Funding Is Not Raised By July 1st 2023

A Refund Check Will Be Sent By US Mail Within 5 Days Once We Are

Notified By Client

\$35,000.00..... 2nd Project Deposit – Due When Grants Or Funding Obtained – Check # _____

Note - Project Deposit Will Be Deducted On Demobilizing Invoice

\$ 6,000.00..... Credit Of Permit Fee Applied To Mobilization Deposit

Payment Terms & Payments – Dredging Will Be Invoiced (2) Times Per Month

Client Will Have An Authorized Rep Sign Daily Dredge Log Each

Day

Individual Projects Bill At Individual Completions

Net 10 Days Billing 1st & 15th Of Month

Terms & Conditions

Start Of Project - We Will Start Your Project Within 10 Days Written Notice.

Payments - As Listed On Contract Order.

Collection Of Debt – Will Be Sent To Our Attorney For Complete Collection. Client Agrees To Pay All Court Cost, Attorney Fees, In Collection Fees Of All Debt. All Court Hearings Will Be Conducted In Rock Island County Courthouse, Rock Island, Illinois

Date _____

Acceptance Of All Items Listed