

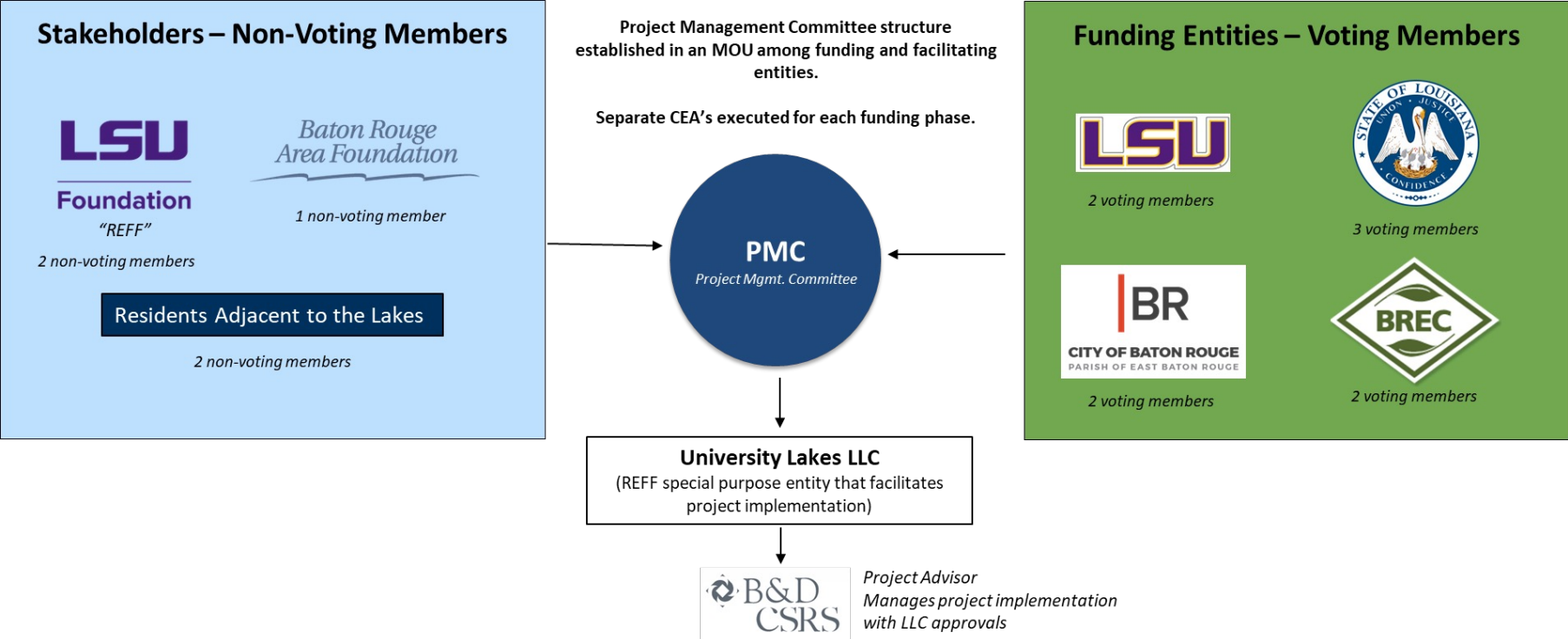


The University Lakes Project

North Lakes Residents Update

August 16, 2022

University Lakes | Project Governance Structure



University Lakes | Consultant Technical Expertise

Project Advisor

B&D/CSRS

Project management, grants management

Moffatt & Nichol

Dredging engineering

Franklin Associates

Community outreach & engagement

Gotech

Construction inspection

Due Diligence

GEOENGINEERS

Geotechnical & sediment sampling

C.H. FENSTERMAKER

Bathymetric & stump survey

LANDSOURCE

Topo & boundary survey, title research

Flood Risk Reduction Design

STANTEC

Flood risk reduction engineering

Baird

Hydrology & water quality

Neel-Schaffer

Dredging engineering & construction

Adaptive Management

Geotechnical services

Sustainable Design Solutions

Dredging material placement

Master Design

SASAKI

Landscape architecture, engineering, planning

Dana Brown Associates

Local landscape architect

ACGBR

Community art & placemaking

Toole

Active transportation

EDS

Lighting & electrical engineering

Bonton Associates

Local civil engineer

Biederman

Governance, operations & maintenance

Coastal Environments

Local ecological consultant

Volkert

Cost estimation

Vectura

Traffic analysis

Ramboll

Environmental & structural engineering

Previous Process Recap



Due-diligence | Engagement

2016 Master Plan



This Project Process

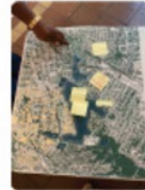
The big picture plan created for the lakes in 2016 cast a vision centered around the guiding principle of a healthy University Lakes: healthy environment, people, culture, learning, and connections.

So, how do we make this big vision for a healthy University Lakes into a reality? That's a question this stage of the project will answer based on your input and what we uncover through additional investigation into the lakes' conditions.

5 Public workshops over 2014 and 2015



7 Public engagement opportunities so far, in person and online



175 Online survey participants

370 In-person meeting attendees



1,350 Icons placed on map survey

1,500+ Community comments



Make it Resilient!

- Create conditions that are safe and welcoming to wildlife
- Make plans for long-term maintenance and care
- Improve water quality by addressing algae and stormwater run-off
- Restore ecosystems where native plants thrive
- Increase how much the lakes' help reduce neighborhood flooding

How did we make this list? Based on feedback such as...

"My biggest concern for the lakes is that it supports diverse wildlife while providing an oasis for residents!"

15% of comments requested inclusive and accessible amenities

"I want the lakes to be a beautiful and useful place for Barton. Development can be primed up!"

7% of comments requested a design to prevent wildlife and utility plants

Make it Safe!

- Give bikers and walkers clear, separated paths
- Fix dangerous hot spots where cars and bikers/walkers come together
- Update signs and lighting to make it easier for people to know where to go
- Separate fishing areas from travel paths
- Locate new paths in places that protect residential lake views

How did we make this list? Based on feedback such as...

"I want to see wide trails for runners and cyclists and more bike trails nearby for lakes!"

46% of comments pointed to how better trails safety as a top priority

426 pins were placed on the map to point out areas that people thought were "not a desirable place"

Make it Active!

- Add more destinations and activities for all ages in strategic locations away from residential areas
 - Increase the options for activities on the water
 - Expand boating and fishing opportunities
 - Invest in clean public amenities like water fountains and restrooms
- Create connections between Lakes for boating

How did we make this list? Based on feedback such as...

"Make it a special beautiful place!"

20% of those who said they don't visit the lakes said it was because "there's nothing to do at the lakes"

82% of survey respondents said "improvement" is one of the most important things to do at the lakes

Control water quantity and quality by implementing: 1. no burning 2. no car & equipment 3. no pet sitting 4. fishing

Make it Accessible!

- Improve connection paths to Old South Baton Rouge and other surrounding neighborhoods
- Create better entry points from nearby neighborhoods
- Build public amenities and paths that are handicap accessible
- Create a place that allows for many different cultural expressions
- Provide a shared parking model that supports further use of Lakes

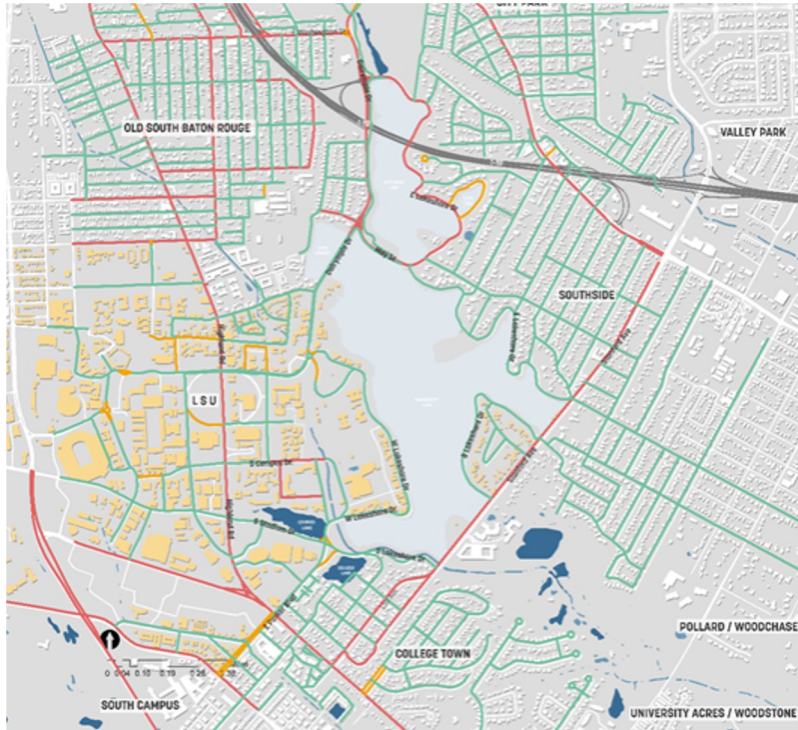
How did we make this list? Based on feedback such as...

Only 5 entry suggestions that were "accessible"

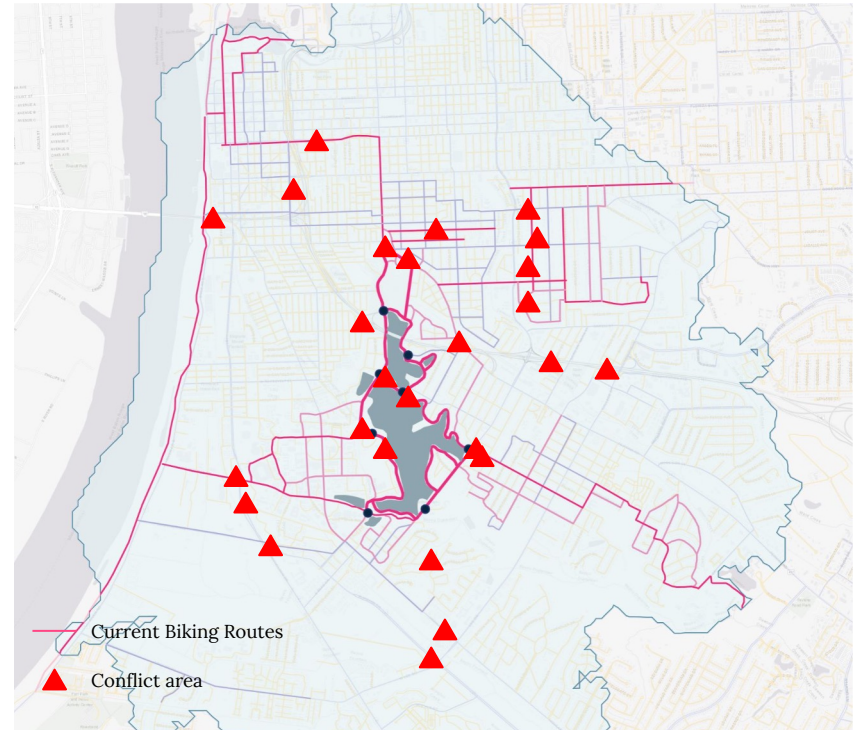
"The lakes should be an environment where EVERYONE in Baton Rouge can feel welcome and relax!"

135 pins were placed on the map to point out areas that people thought were "not welcoming"

Due-diligence | Traffic & Circulation

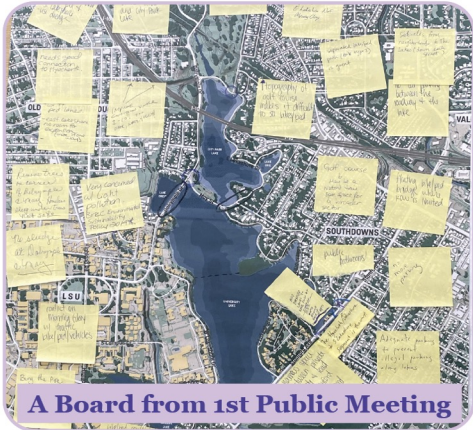
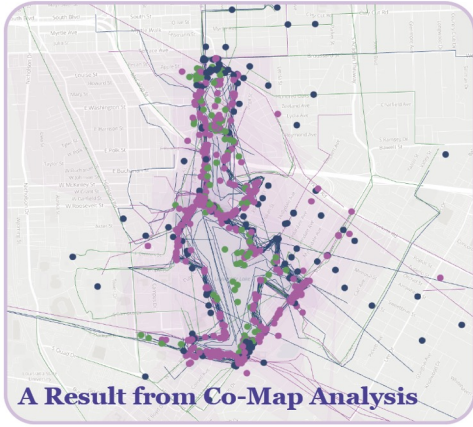


High stress traffic corridors




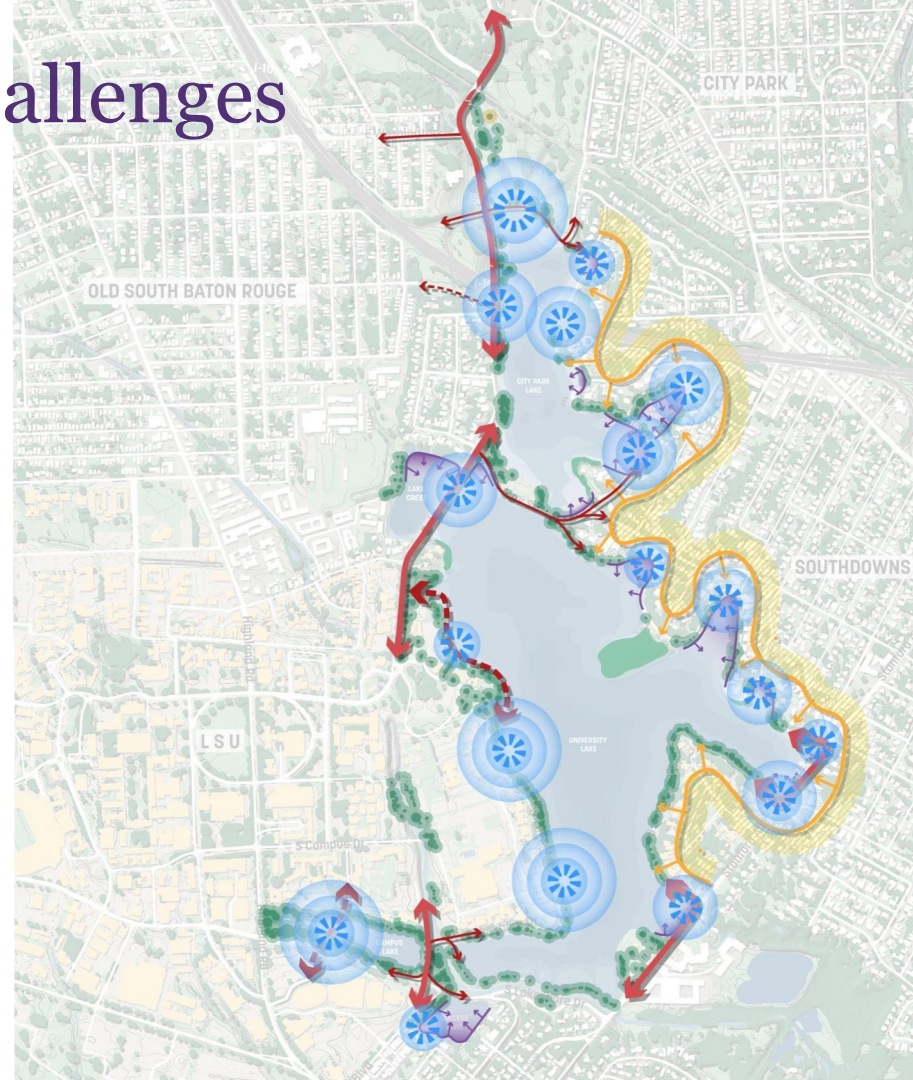
Conflict areas for walker and bikers

Due-diligence | Critical Challenges



Legend

-  Residential Character Preservation
-  Challenging Intersections and Connections
-  Non-Existing Connection
-  Negative Water Quality Contributor
-  Tree Preservation
-  Limited Water Surface View Preservation



The image is a conceptual rendering of a waterfront park, overlaid with a semi-transparent green filter. It depicts a multi-use path along a lake. On the left, a dark car is parked on a paved area. The path itself is wide and paved, with a white line marking. A person is riding a bicycle towards the viewer, carrying a large backpack. To the right of the path, there is a landscaped area with various plants and flowers. Further right, a wooden walkway with a railing leads to a lake. Several people are walking along this path. In the lake, there are people in a canoe and a small boat. The background shows more trees and a building on the far shore. The overall scene is bright and inviting, suggesting a well-designed public space.

Concept Design Overview

University Lakes | Illustrative Plan

Note: The map to the right represents the original conceptual design. It is not the final design.

Legend

- 1 City Park Lake Forebay & Improvements (Further Design Coordination Needed)
- 2 May St Bridge & Site Improvements
- 3 Active Edge along LSU
- 4 Campus Lake Improvements
- 5 Corporation Canal Improvements
- 6 Baton Rouge Beach
- 7 Stanford Ave Improvements
- 8 Bird Sanctuary Improvements
- 9 Connection to McKinley High School

--- Existing Shoreline

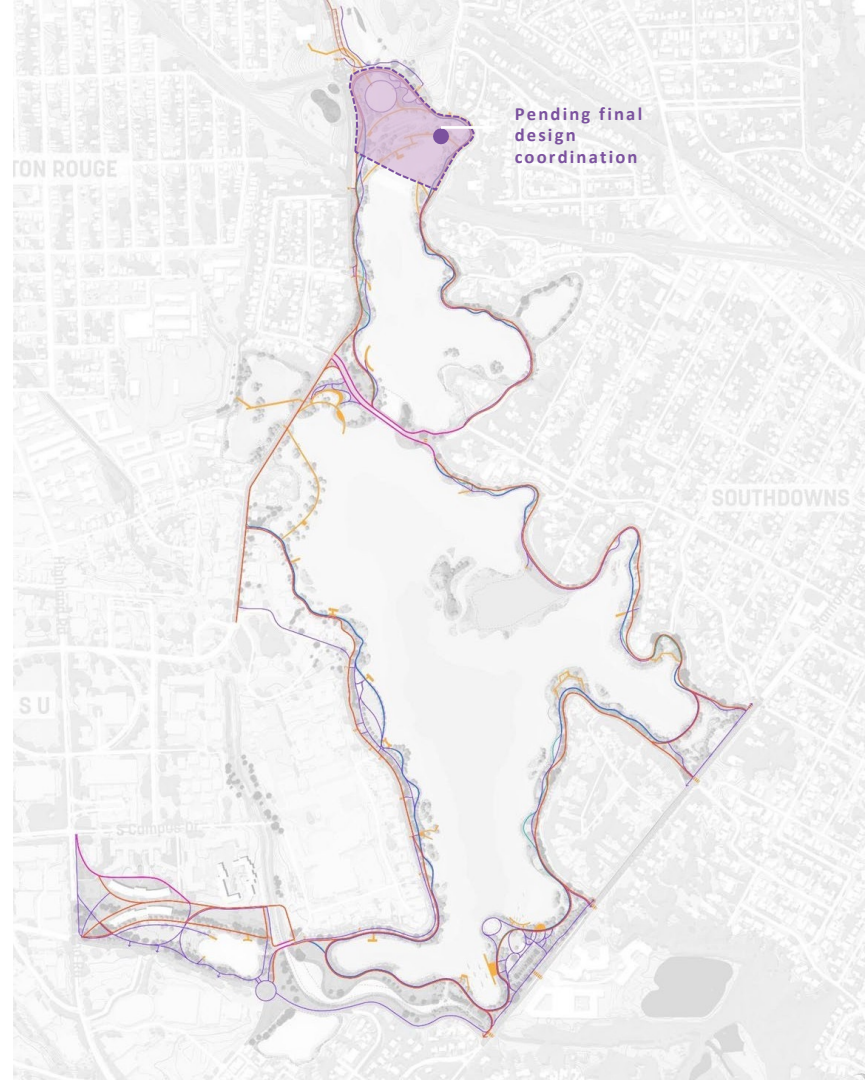


University Lakes | Circulation - pedestrian & bike

Note: The map to the right represents the original conceptual design. It is not the final design.

Legend





- Biking path
- Walking path
- Shared path
- Running path
- Boardwalk
- Pier & Deck
- Crossing

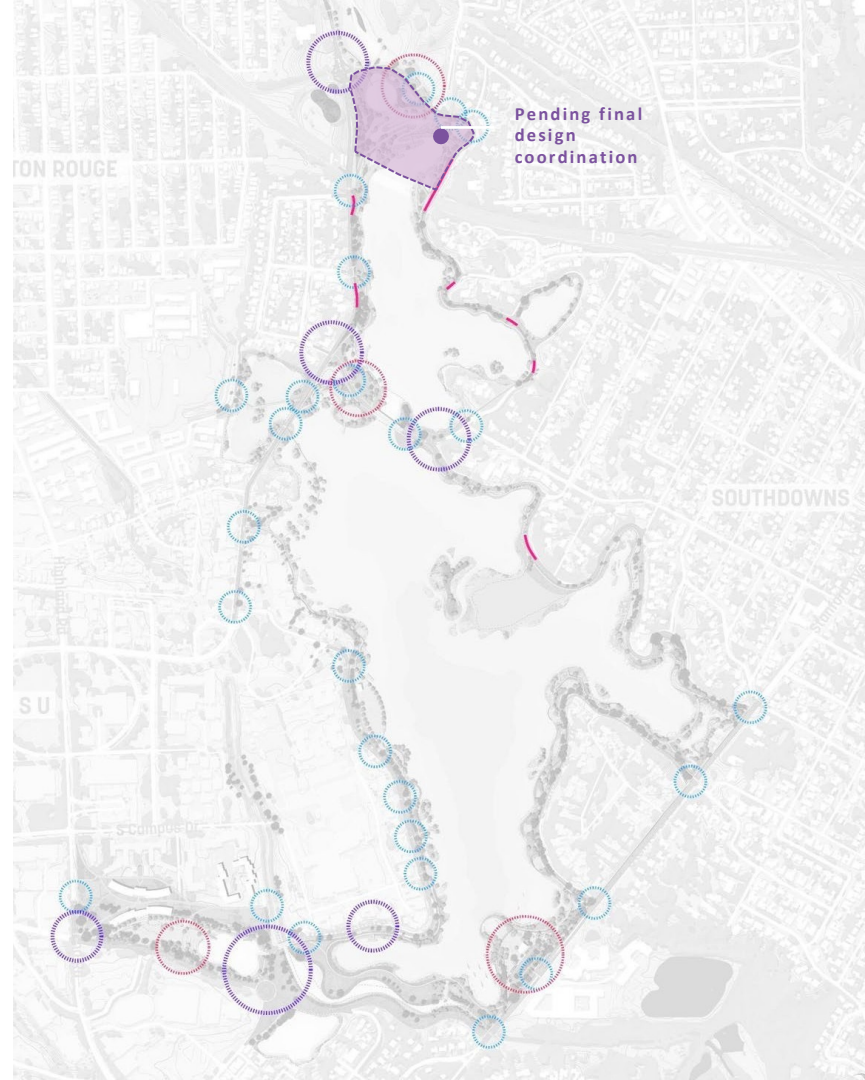


University Lakes | Circulation - vehicular

Note: The map to the right represents the original conceptual design. It is not the final design.

Legend






-  Improved major traffic node
-  Improved pedestrian safety near intersections
-  Parking lots with increased or same parking number
-  Increased parallel parking along the lake shore



University Lakes | Dredging

Note: The map to the right represents the original conceptual design. It is not the final design.

Legend

-  Low Program Intensity - Limited Stability Required
-  Medium Program Intensity - Stability required over time
-  High Program Intensity - Structural Stability from Day 1
-  Hard Edge
-  Existing Shoreline







University Lakes |

Dredge Placement Strategy

Program Intensity	Program Examples	Percentage of Shoreline	Fill Types and Notes	Relative Cost	Settlement/ Compaction Rate & Duration	Timeline for intended use
Low	Wetlands and passive space	60-70%	Hydraulically- or mechanically-placed dredge material	\$	High; 5-10 Years	Day 1 (if no shaping), 1 year (if additional shaping)
Medium	Lawns, small spots for activities, soft trails	20-30%	Geotubes, mechanically-placed, or dried and amended dredged material	\$\$	Moderate; 2-3 years	2-3 years
High	Big event space with pavilion, beach, nature play	10%	Import fill and export dredge. Consolidation of existing soils required	\$\$\$	Low; 1 year	<1 year

Legend

-  Low Program Intensity - Limited Stability Required
-  Medium Program Intensity - Stability required over time
-  High Program Intensity - Structural Stability from Day 1
-  Hard Edge

City Park Lake | Illustrative Plan

Legend

- 1 City parklake forebay
 - 2 Stormwater landscape for I-10
 - 3 Educational nature play
 - 4 Upland landscape
 - 5 Boardwalk
 - 6 Bike path and walking path
 - 7 City Park Lake Overlook
 - 8 Connection improvements between the Knock-knock museum and the Overlook
 - 9 Off-site stormwater improvements
 - 10 Improved streetparking
- Existing Shoreline



Lake Erie | Illustrative Plan

Legend

- 1 Cypress Walk
- 2 Bird Sanctuary Viewing Boardwalk
- Existing Shoreline



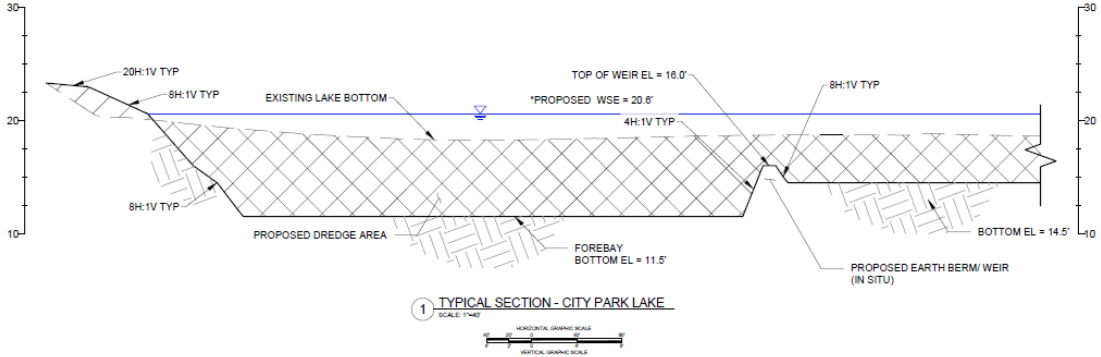
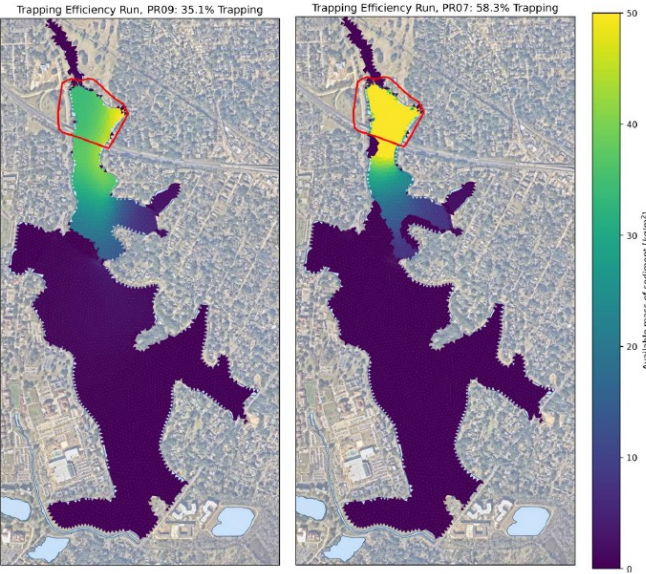
May St Bridge | Illustrative Plan

Legend

- 1 Redesigned bridge
- 2 Botanic garden & artful interpretative play
- 3 Lawn
- 4 Community garden
- 5 Hammock grove
- 6 Bike repair plaza
- 7 Boardwalk connect to Mckinley High School
- 8 Fish pier
- 9 Boardwalk pedestrian path
- 10 Shared bike and pedestrian path
- 11 Separate bike and pedestrian path
- 12 Parallel parking
- 13 Parking lot with increased parking number
- 14 Upland landscape on fill
- - Existing Shoreline



University Lakes | Forebay Strategy





Phasing Strategy

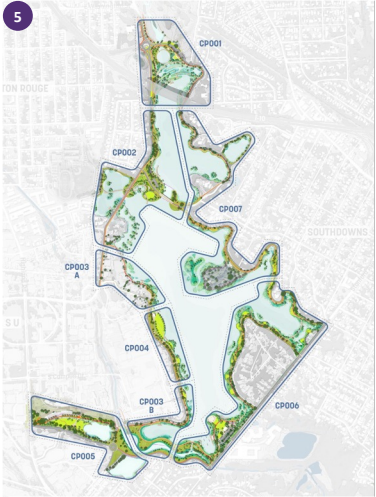
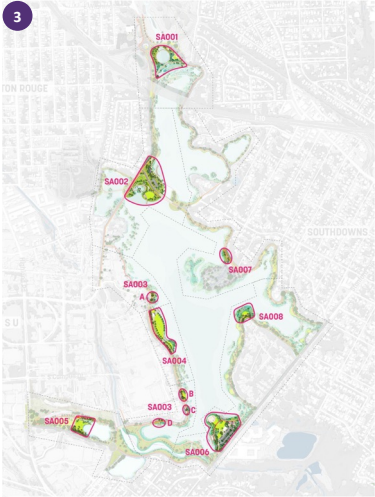
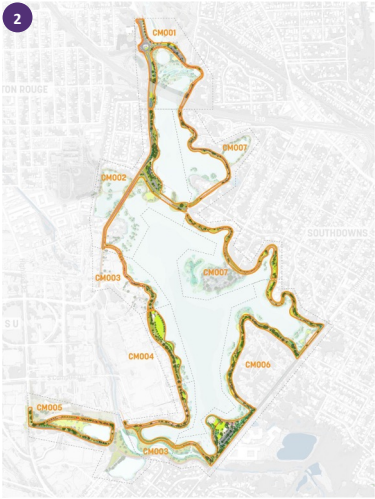
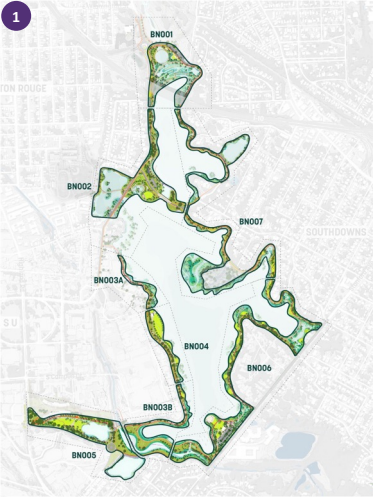


Phasing Strategy | Prioritizer Tool

1. Base Need Projects
2. Circulation Projects
3. Site Amenities
4. Value Added Projects
5. Complete Project Nodes

Each sub-project provides certain strategic advantages, highlights and needs in terms of the impact and benefits they may bring.

Each project is associated with an overall cost that was taken from the overall cost estimate. This will further help to balance how available funding for the first phase might be invested.



Phasing Strategy | Proposed Phase 1

Proposed Phase 1 prioritizes:

- **Ecological Benefits**
- **Hydrological Benefits**
- **Accessibility & Safety**
- **Cost-Benefit**





Phasing Strategy

Phase 1

Phase 1 Area includes (both full-built and interim landscape):

1. City Park Lake
2. May St Bridge
3. Erie Lake
4. Lake Crest
5. Campus Lake
6. College Lake
7. Boardwalk near Stanford Ave

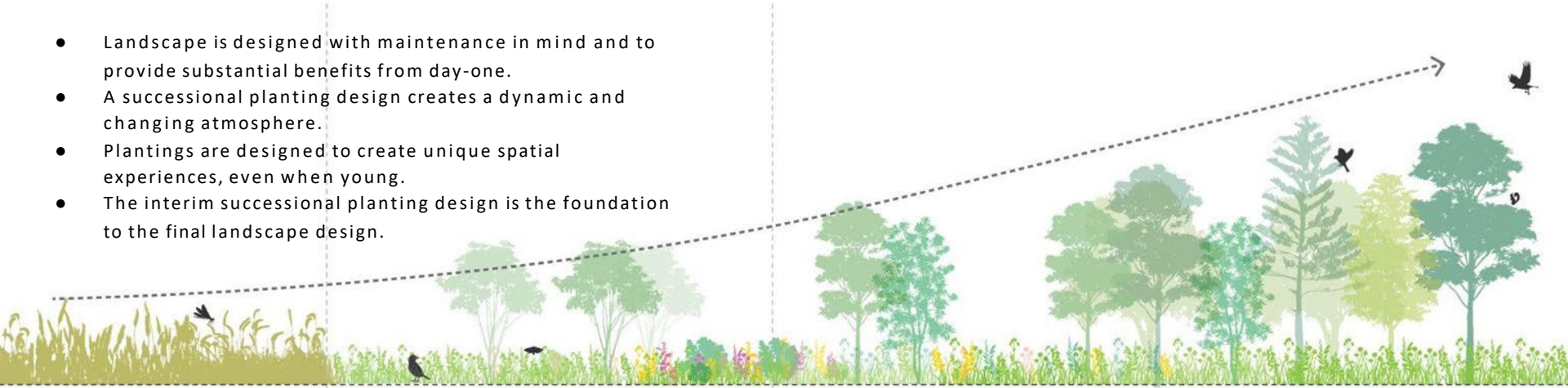
 **Full-built Landscape** Includes: road improvements, bike lane, pathway, bridge, lighting, adjacent landscape and other utilities and amenities

 **Interim Landscape** Includes: Grading and seeding



Interim Landscape | Substantial Landscape

- Landscape is designed with maintenance in mind and to provide substantial benefits from day-one.
- A successional planting design creates a dynamic and changing atmosphere.
- Plantings are designed to create unique spatial experiences, even when young.
- The interim successional planting design is the foundation to the final landscape design.



Early Establishment

Dredge Placement and Consolidation Period



Young Community

Circulation and Program Construction



Mature Landscape

Use, Continued Construction and Maintenance





May St. Bridge

May St Bridge Phase 1 Full Built Area

road improvements, bike lane, pathway,
bridge, lighting, adjacent landscape and
other utilities and amenities

May St Bridge Phase 1 Interim Landscape

Grading and seeding as part of the long-
term landscape



Phasing Strategy

Phase 1 Timeline (approx.)

Summer 2022 – Advance Work Project

Fall 2022 – 100% Design + Construction Contracting

Winter 2022/23 – Phase 1 Construction Begins

Winter 2023/24 – Phase 1 Dredging Complete





Thank you!