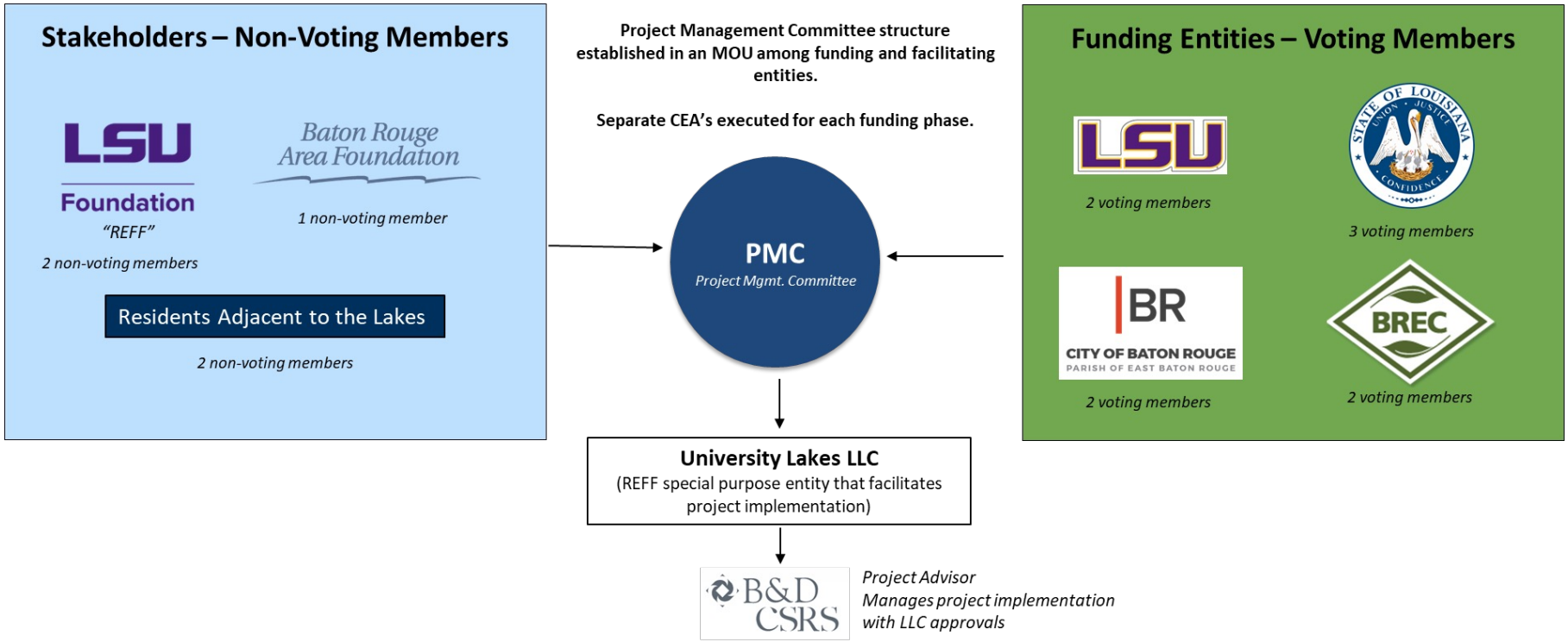
The University Lakes Project

North Lakes Residents Update

August 16, 2022

SASAKI

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

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*

+ This Project Process

7 *Public engagement opportunities so far, in person and online*

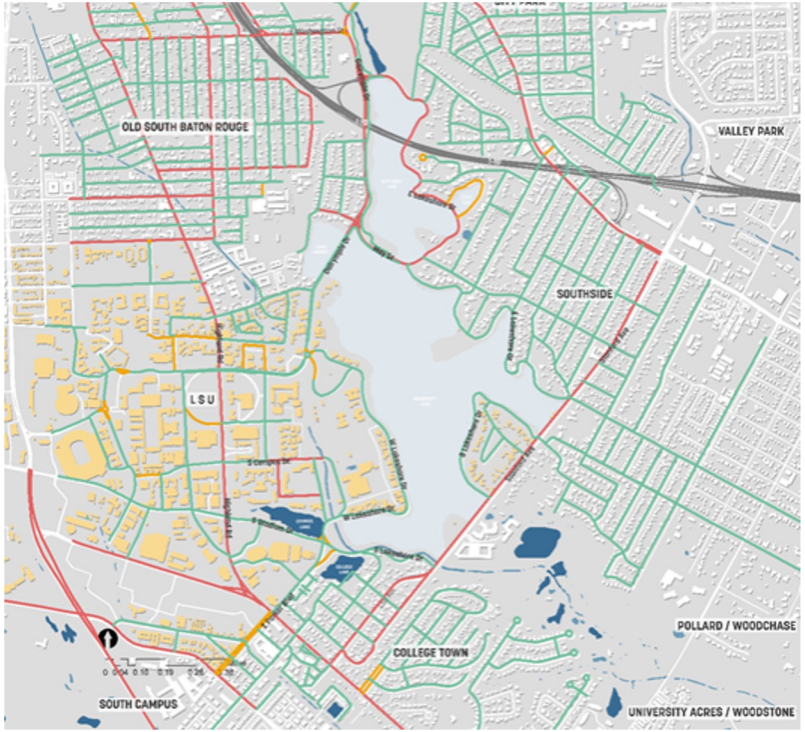
175 *Online survey participants*

370 *In-person meeting attendees*

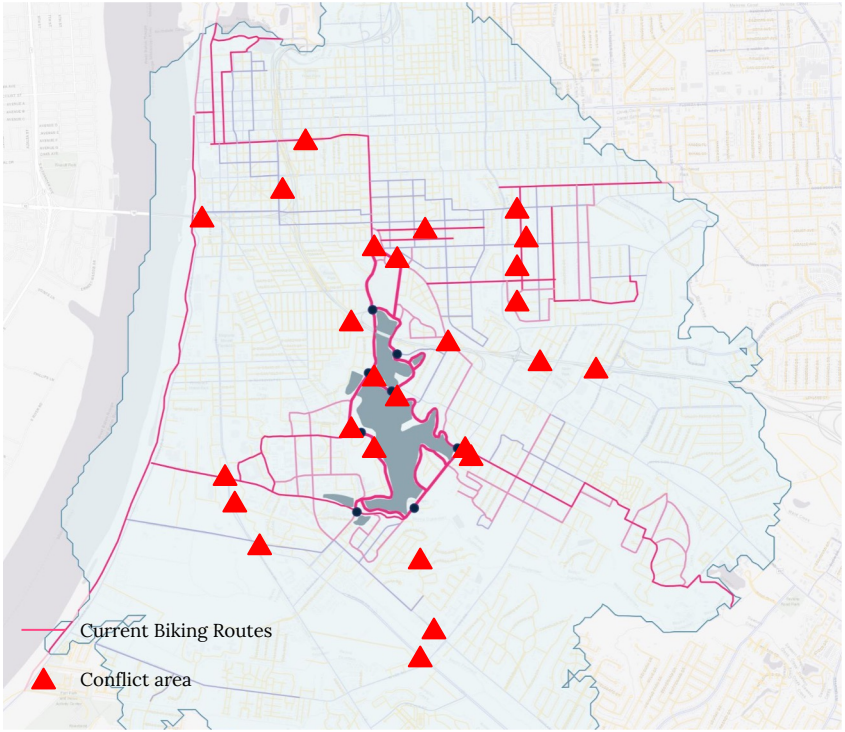
1,350 *Icons placed on map survey*

1,500+ *Community comments*

Due-diligence | Traffic & Circulation

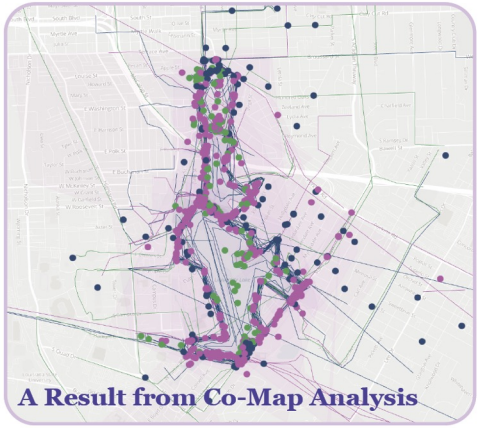


High stress traffic corridors

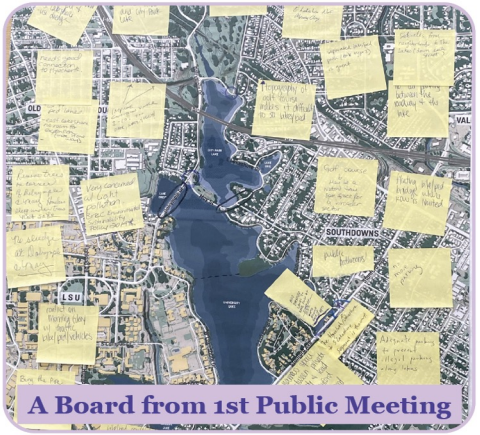


Conflict areas for walker and bikers

Due-diligence | Critical Challenges



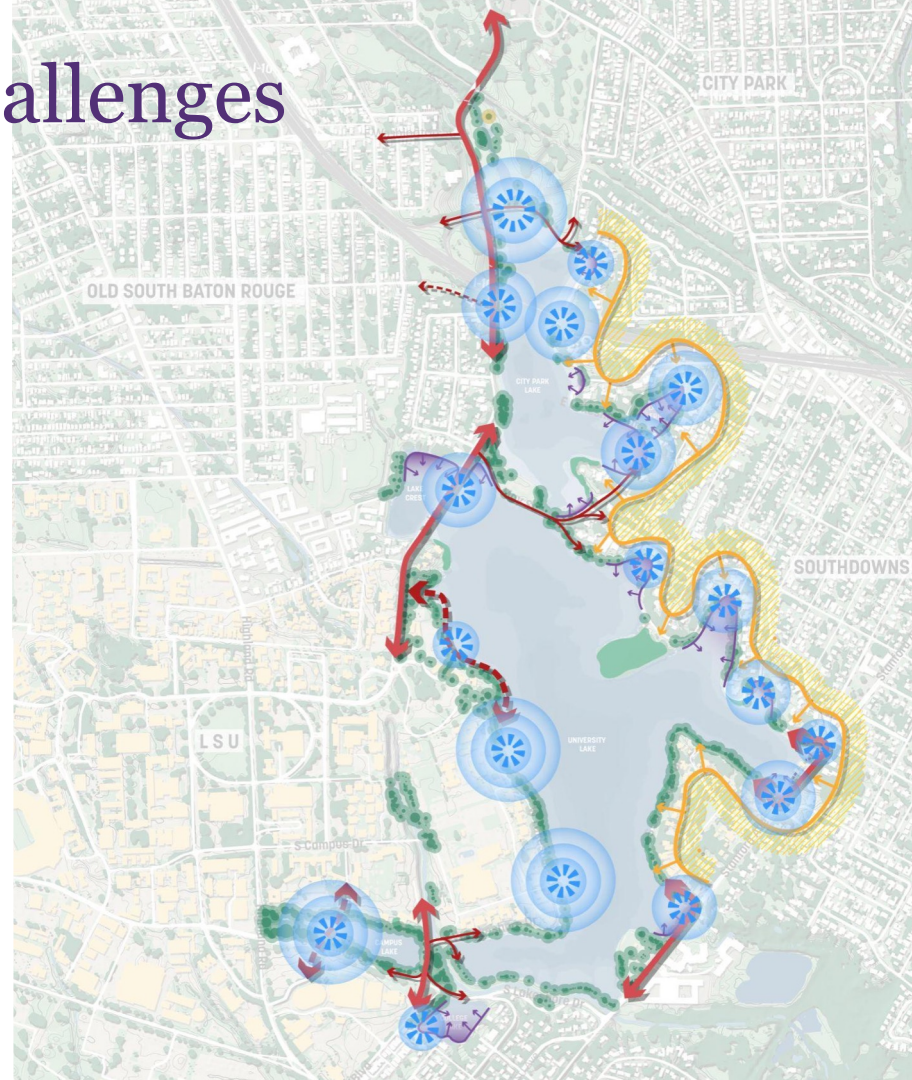
A Result from Co-Map Analysis



A Board from 1st Public Meeting

Legend

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



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

0 1000 ft

N

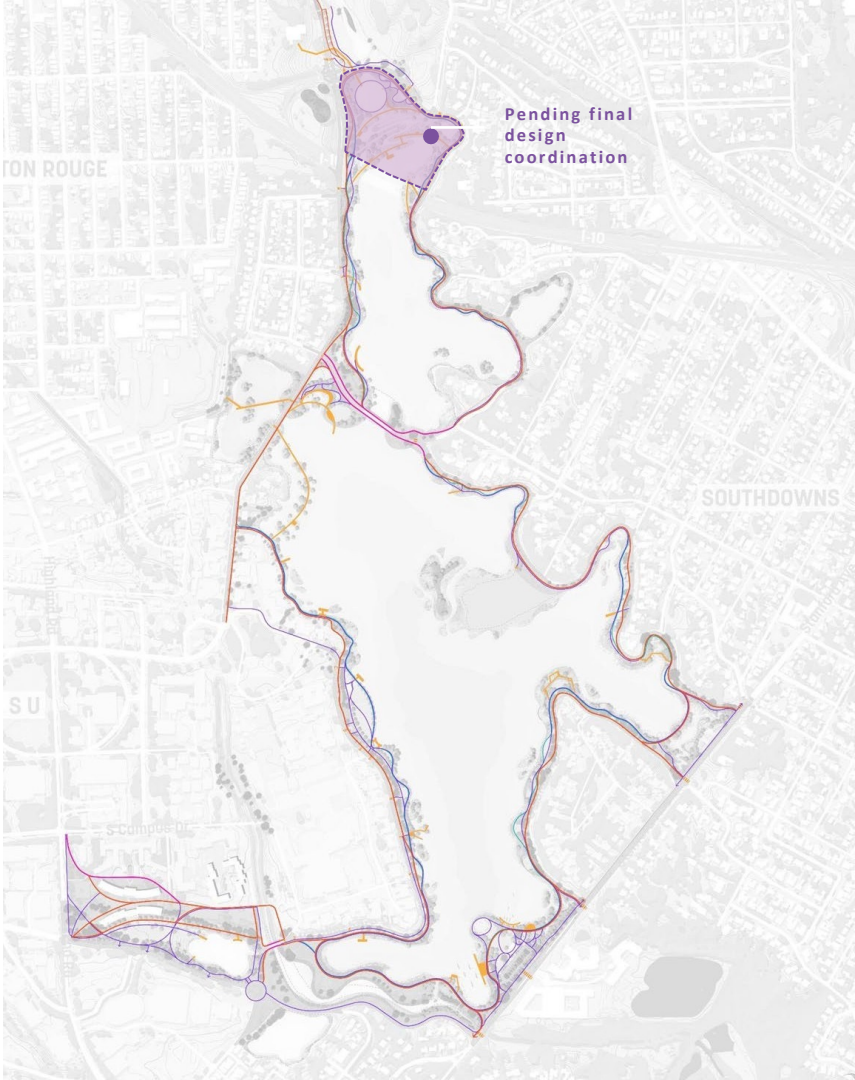
University Lakes |

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

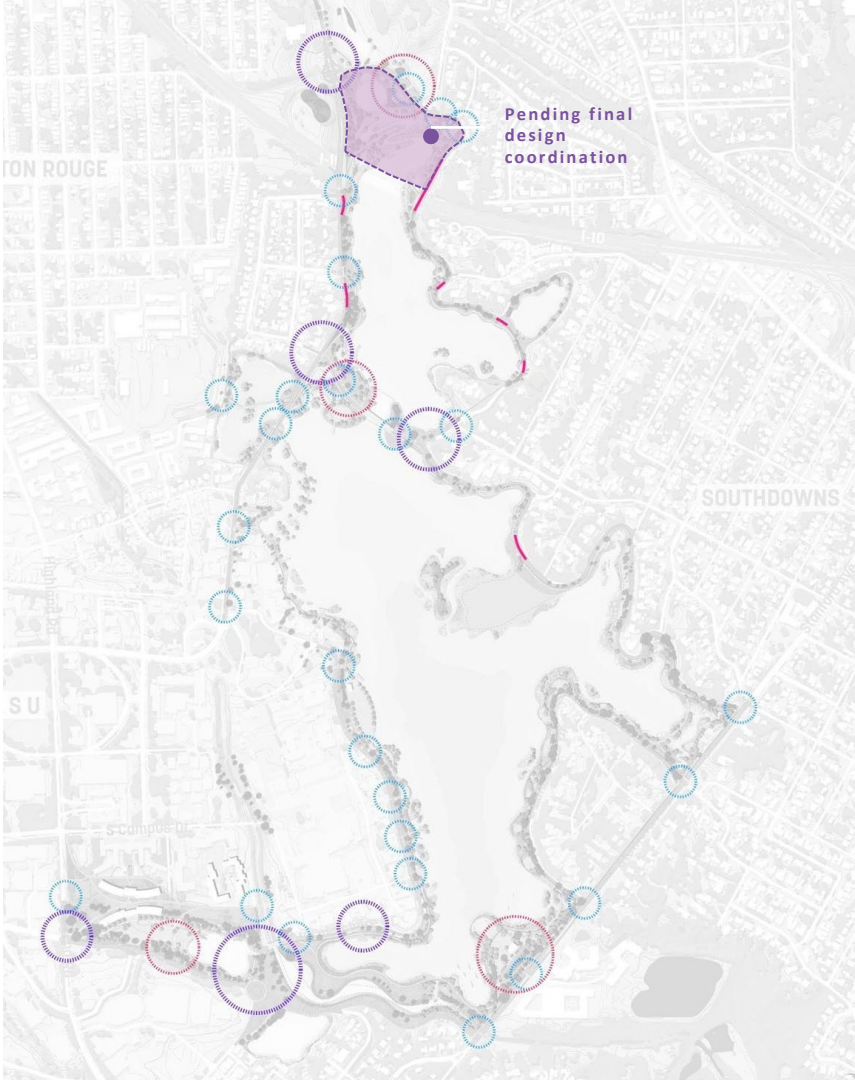


University Lakes |
Circulation - vehicular

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

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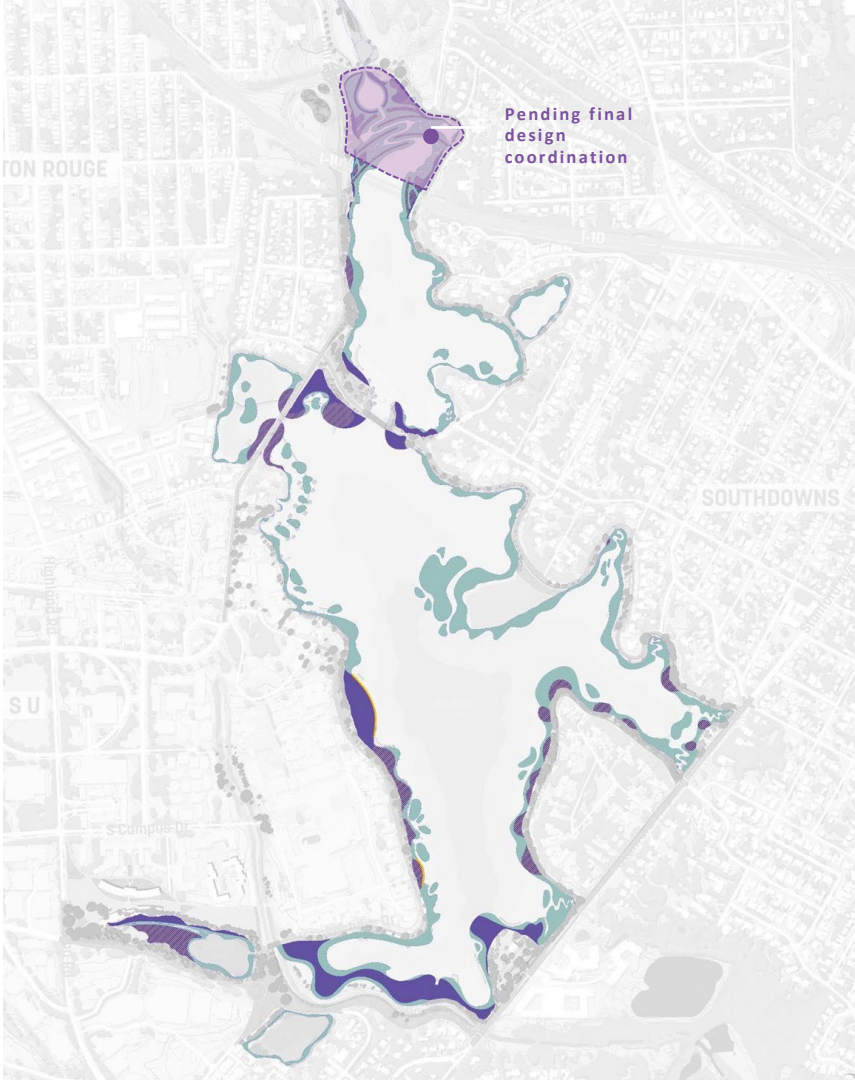


Legend

- 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), 1year (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; 1year	<1year

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 park lake 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 street parking

Existing Shoreline

Lake Erie|

Illustrative Plan

Legend

1. Cypress Walk
2. Bird Sanctuary Viewing Boardwalk

Existing Shoreline

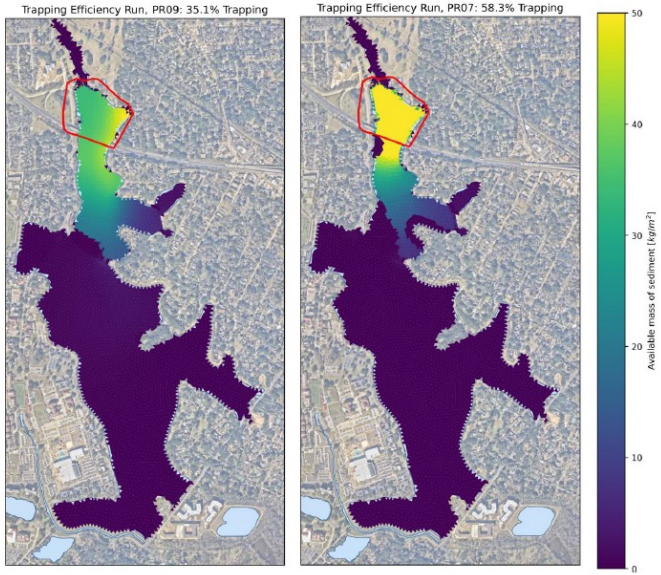
May St Bridge|
Illustrative Plan

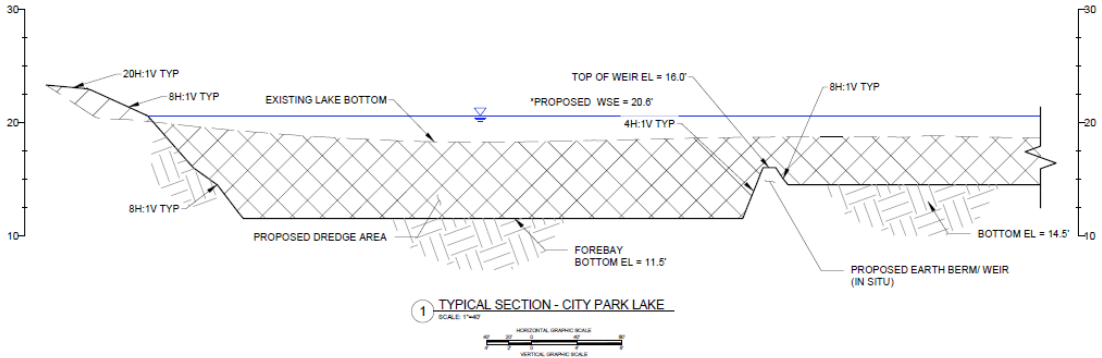
Legend

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





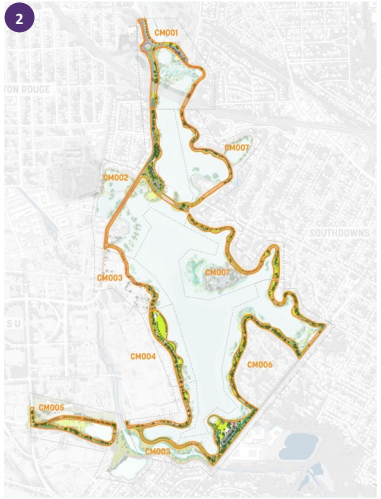
Phasing Strategy

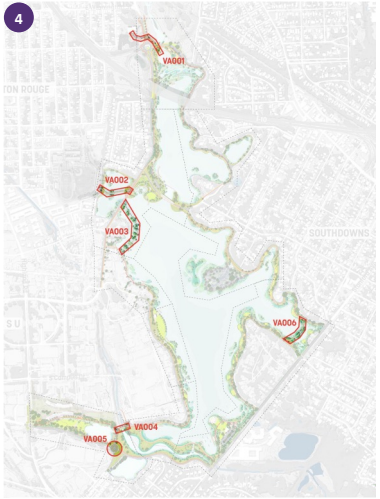
Phasing Strategy|
Prioritizer Tool

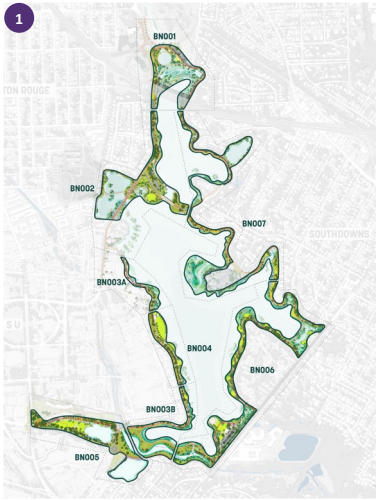
1. Base Need Projects
2. Circulation Projects
3. Site Amenities
4. Value Added Projects
5. Complete Project Nodes

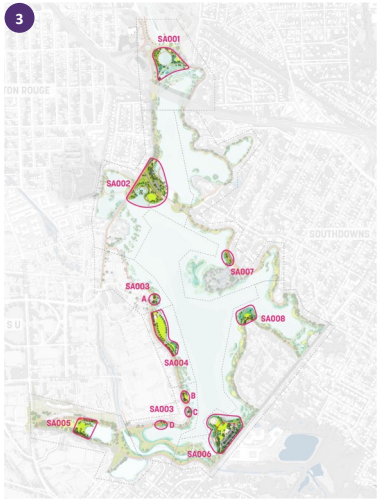
Each sub-project provides certain strategic advantages, highlights and needs in terms of the impact and benefits they may bring.

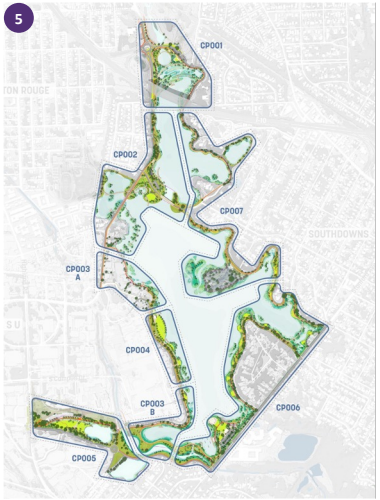
Each project is associated with an overall cost that was taken from the overall cost estimate. This will further help to balance how available funding for the first phase might be invested.











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**

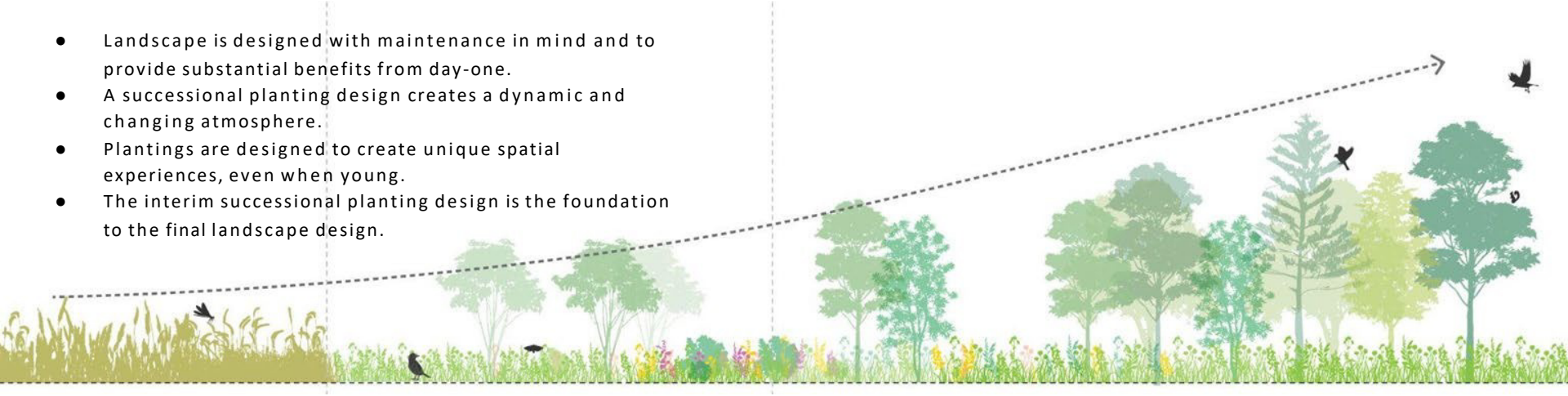
Full-built Landscape Includes: road improvements, bike lane, pathway, bridge, lighting, adjacent landscape and other utilities and amenities

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.

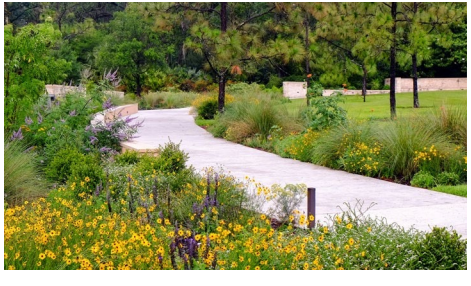


Early Establishment

Dredge Placement and Consolidation Period

Young Community

Circulation and Program Construction



Mature Landscape

Use, Continued Construction and Maintenance

May St. Bridge

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!