

CHEERS

Cleveland Harbor Eastern Embayment Resilience Strategy

September 12, 2024

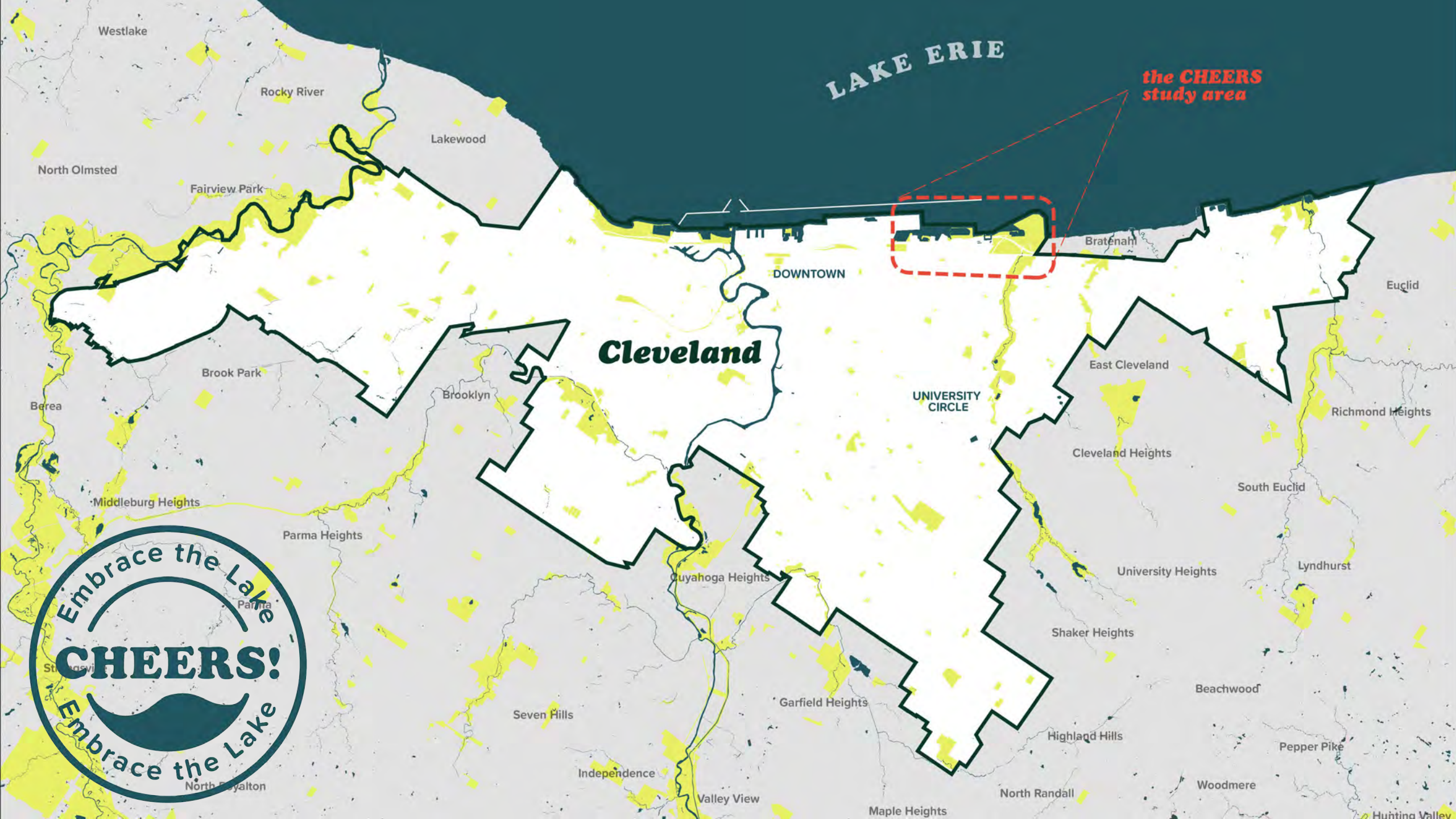
Stakeholder Meeting #5



Agenda & Welcome

- + Outreach activities
- + Regulatory Coordination
- + Design Schedule and Scoping
- + Grant Update
- + Partner Updates
- + Stakeholder Updates / Open Items





LAKE ERIE

the CHEERS study area

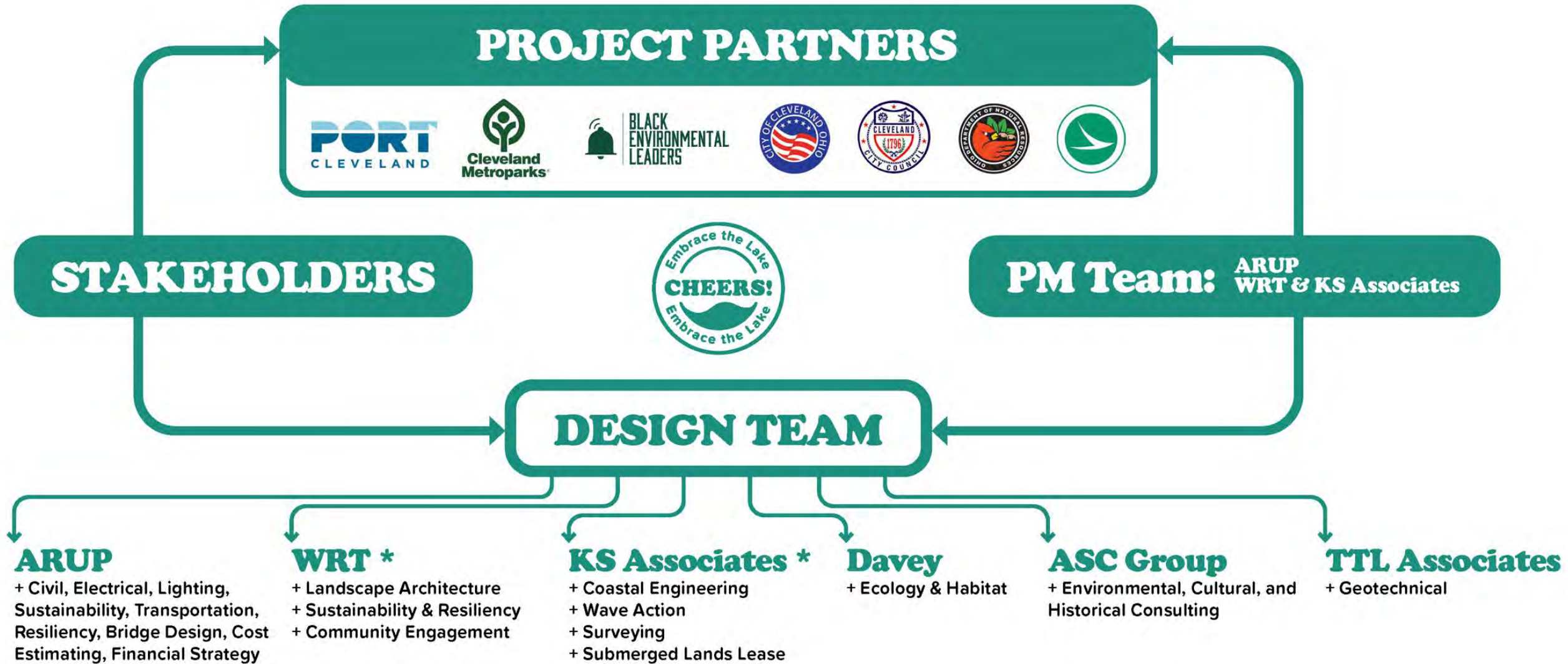
Cleveland

DOWNTOWN

UNIVERSITY CIRCLE



Cleveland Harbor Eastern Embayment Resilience Strategy



CHEERS is supported by funding from project partners, the National Fish and Wildlife Foundation, and the Ohio Department of Transportation's Maritime Assistance Program.



Partners:



BLACK ENVIRONMENTAL LEADERS



Cleveland Harbor Eastern Embayment Resilience Strategy

05.2023




 Future Park Amenities

 Program Area

 Shoreline Walkway / Fishing

 Multi-use Lawn

 Downtown Cleveland

 Lake Erie

 Meadow Habitat

 Shoreline Wetland

Outreach

Info & Updates

- The team helped promote and host an education session for Waterfront Edge Design Guidelines (WEDG) in August
- We continue to join events and stay in front of the community / let folks know project is proceeding
- Potential community update this fall
- Looking into on-site graphics and views

The poster features a dark blue background with a faint image of a city skyline at night. The text is in white and light blue. At the top, 'WEDG' is in large white letters, followed by '(Waterfront Edge Design Guidelines)' in smaller white text. Below that, 'CLEVELAND HAPPY HOUR' is written in light blue. The event date 'Thursday, August 22, 2024' is preceded by a calendar icon. The time 'Presentation & Discussion at 4pm' and 'Happy Hour at 5pm' is preceded by a clock icon. The location 'Trust for Public Land Office' and '1250 Old River Rd Ste 202' is preceded by a location pin icon. A paragraph of text describes the event, mentioning the Waterfront Alliance, Cleveland Metroparks, and Port of Cleveland, and noting that a drink ticket is provided. At the bottom, it says 'ASLA and AIA CEUs anticipated' and provides a registration link. A QR code is in the bottom right corner.

WEDG[®] (Waterfront Edge Design Guidelines)
CLEVELAND HAPPY HOUR

 **Thursday, August 22, 2024**

 Presentation & Discussion at 4pm
Happy Hour at 5pm

 **Trust for Public Land Office**
1250 Old River Rd Ste 202

Join staff from the Waterfront Alliance, including Cleveland Metroparks and Port of Cleveland, to learn about WEDG. Brief presentation followed by a happy hour downstairs at Collision Bend Brewery. Drink ticket provided. Event is free but space is limited.

ASLA and AIA CEUs anticipated

Register: https://bit.ly/WEDG_CLE



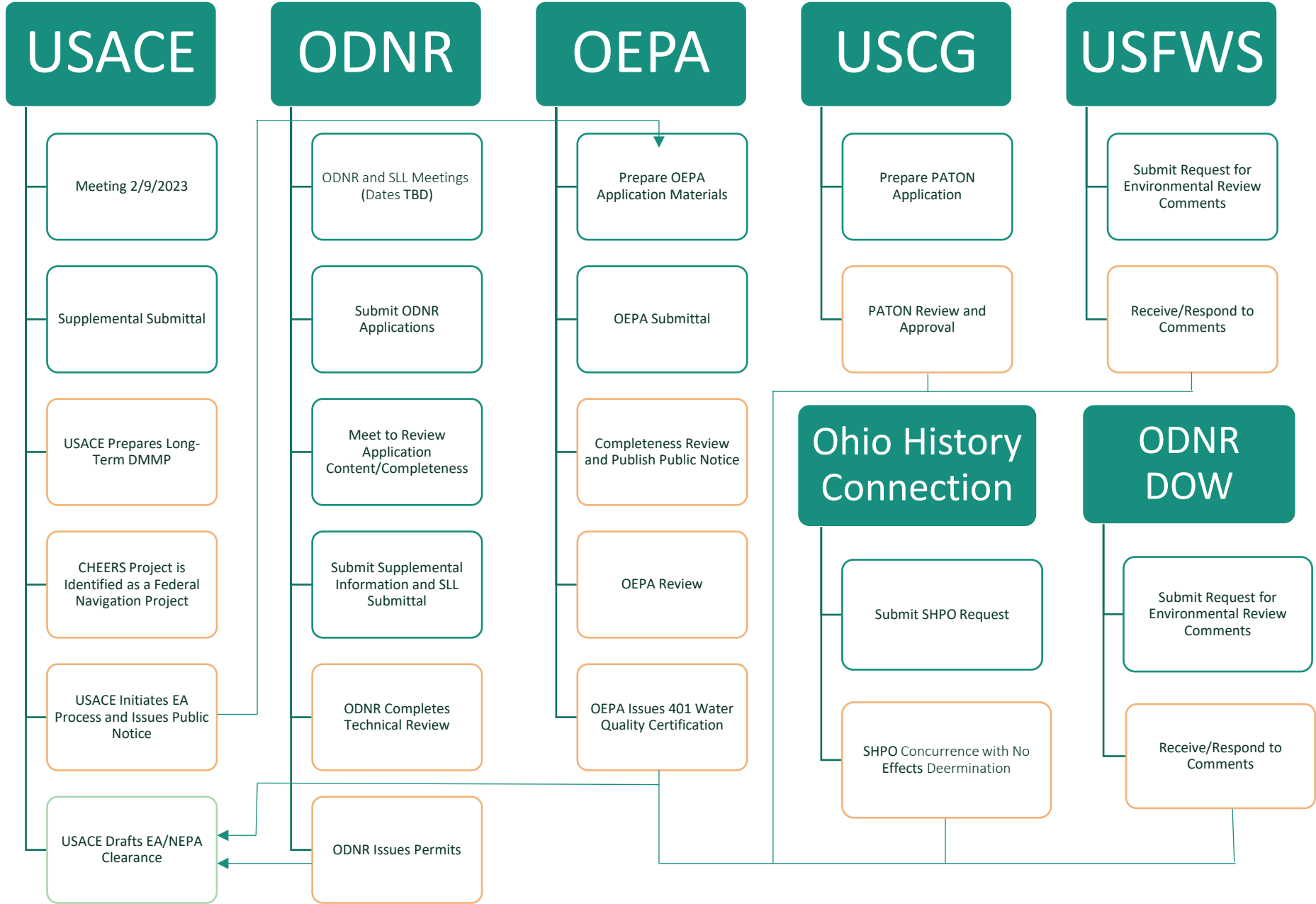
CHEERS Outreach

2024 Fall Public Events

EVENT TITLE	DATE	TIME	LOCATION	HOST
<i>August</i>				
North Coast Forum	8/5/2024	4-7pm	Mall C	City of Cleveland
MidTown Community Mural Event	8/9/2024	4-7pm	E55th & Euclid Ave	MidTown
E55th Concert Tabling	8/10/2024	5-9pm	E55th Marina	Cleveland Metroparks
Slavic Village Family Feast	8/11/2024	12-3pm	5322 Fleet Ave	
Edgewater Concert Tabling	8/15/2024	4-8pm	Edgewater	Cleveland Metroparks
WEDG Presentation	8/22/2024	4-6pm	TPL Office	TPL / ASLA
West African Drum Circle	8/30/2024	6-8pm	Euclid Beach	Cleveland Metroparks
<i>September</i>				
Bike the Brook	9/21/2024	1-4 PM	Lakefront Admin	Doan Brook Watershed Partnership
Ingenuity Fest	9/26-9/29	Varies	5401 Hamilton Ave	Ingenuity Cleveland
<i>October</i>				
OTEC CHEERS Session	10/9/2024			ODOT

Regulatory Coordination

Regulatory Process



USACE Advocacy

- + Port's efforts in DC
- + Regional economic impacts
- + Timeline and capacity – 2029
- + Urgency & next steps

Schedule & Scope Update

Where are we in the process?

we're here!

1: Site and Technical Investigations

2: Phasing and Implementation Planning

3: Funding Strategy

4: Stakeholder Engagement



5: Masterplan Refinement

6.1 100% Schematic Design, Landside Park

6.2 Permitting (Coastal and Waterway)

6.3 90% Construction Documents of Marine Package

6.4 90% Landside Park Design for "The View"

7.1 Funding Roadmap

^Start of Design, Fall 2024 - TBD contingent on current USACE engagement

2024 Stakeholder Meetings

Meetings will take place on the 2nd Thursday of each month 11:30am - 12:30pm. Stakeholder Meetings will occur Quarterly.

- **Stakeholder Meeting # 3 – September 12**
- Partner Meeting #14 – October 10
- Partner Meeting #15 – Nov 14
- **Stakeholder Meeting # 4 – December 12**

Project Deliverables

Task 1: Site and Technical Investigations

- ✓ (3/14/2023) Task 1.1.1 Data Inventory and Data Gap Analysis
- ✓ (10/2/2023) Task 1.1.2 Transportation Assessment
- ✓ (4/4/2023) Task 1.1.3 Preliminary Permitting and Approvals Analysis
- ✓ (8/16/2023) Amendment - Preliminary Permitting and Approvals Analysis FAA (Same Location as above)
- ✓ (5/12/2023) Task 1.1.4 Preliminary Dredge Management Plan
- ✓ (12/18/2023) Task 1.1.5 Early Enabling Studies and Investigations Summary Memo
- ✓ (12/22/2023) 1.2.2 Geotechnical Investigations and Lakebed Sampling
- ✓ (3/30/2023) Task 1.2.3 Phase 1 ESA
- ✓ (6/27/2023) Task 1.2.4 Habitat Assessment
- ✓ (12/18/2023) Task 1.2.5 Coastal Structures Inspections Report
- ✓ (3/14/2023) Task 1.3.1 Level 1 Ecological Survey Report
- ✓ (3/14/2023) Task 1.3.2 Section 106 Scoping Request
- ✓ (3/14/2023) Task 1.3.3 and 1.3.4 Detailed Metocean and Modeling Memorandum

Task 2: Phasing and Implementation Planning

- ✓ (3/8/2024) 2.1 Phasing and Implementation

Task 3: Funding Strategy

- ❑ *Grant Checklist – In progress; Final draft shared*
- ❑ *Grant Support – In progress; Ongoing*

Task 4.1 + 4.2: Stakeholder Engagement

- ✓ (3/21/2023) Engagement Event # 1, Community Open House Event & Summary
- ✓ (8/16/2023) Promotional Materials – Fact Sheet, Fold, and InDesign File
- ✓ (1/31/2024) Engagement Event # 2 – November Engagement Event & Summary
- ❑ *Phase 2 Engagement – Strategy and Planning in progress*

Task 5: Masterplan Refinement

- ✓ (8/16/2023) 5.1 Masterplan Refinement
- ✓ (1/12/2023) 5.1.2 Bridge Conceptual Design

Task 6.1 100% Schematic Design, Landside Park

- ✓ (1/26/2024) 6.1 100% Schematic Design Plans
 - ✓ (9/29/2023) 50% Submission
- ✓ (3/5/2024) 6.1 100% Schematic Design Cost Estimate

Task 6.2 Permitting (Coastal and Waterway)

- ✓ (8/25/2023) *Draft Submission to Port of Cleveland*
- ❑ (10/04/2023) *USACE DMMP Planning Submission by Port of Cleveland – currently under regulatory review*

Task 6.3 90% Construction Documents of Marine Package

- ❑ *Plan Set – In progress*
 - ✓ (10/04/2023) 10% Plan Progress for Permitting Submission
 - ✓ (1/26/2024) 30% Plan Progress for Schematic Design Submission

Task 6.4 90% Landside Park Design for “The View”

- ❑ *Geotechnical Analysis and Assessments in Progress*
- ❑ *Shovel-Ready Landside Drawings*

Task 7.1 Funding Roadmap

- ❑ *Funding Roadmap*

New Task 7: Funding Roadmap

The outcome of this scope of work will be funding guidebook that outlines different agencies' approaches to quantifying benefits and a holistic catalog of CHEERS' benefits that can be leveraged for different funding scenarios over the course of the project.

1. **BCA Methodology Matrix:** Matrix of BCA methodologies applicability for CHEERS (FEMA, DOT, USACE, etc.)
2. **CHEERS BCA:** Develop an independent, agency-agnostic BCA methodology that encapsulates the full benefits of the CHEERS project. This assessment will not be tailored for a specific portion of the park or grant program. Rather, the output will quantify and articulate the benefits of the CHEERS project using best practices as a whole:
 1. Direct benefits (port operations, damage/downtime to I-90, etc.)
 2. Indirect benefits
 3. Dredge placement alternatives "net negative" benefits
3. **Alternatives Assessment:** Provide value of the average losses for the do-nothing scenario.
4. **Funding Roadmap Report:** Culmination of all funding related tasks in a combined, graphic report with supporting excel workbooks.

What is WEDG?

Waterfront Edge Design Guidelines

Resilience. Ecology. Access.

WEDG is a national rating system and set of guidelines to create resilient, ecological, and accessible waterfronts. Projects that achieve WEDG Verification are the gold standard for waterfront design.



- WEDG is a program of the Waterfront Alliance with a goal of maximizing the value of a site through resilience, ecology and access
- CHEERS is pursuing WEDG verification as a means to quantify best practices incorporated into the project design

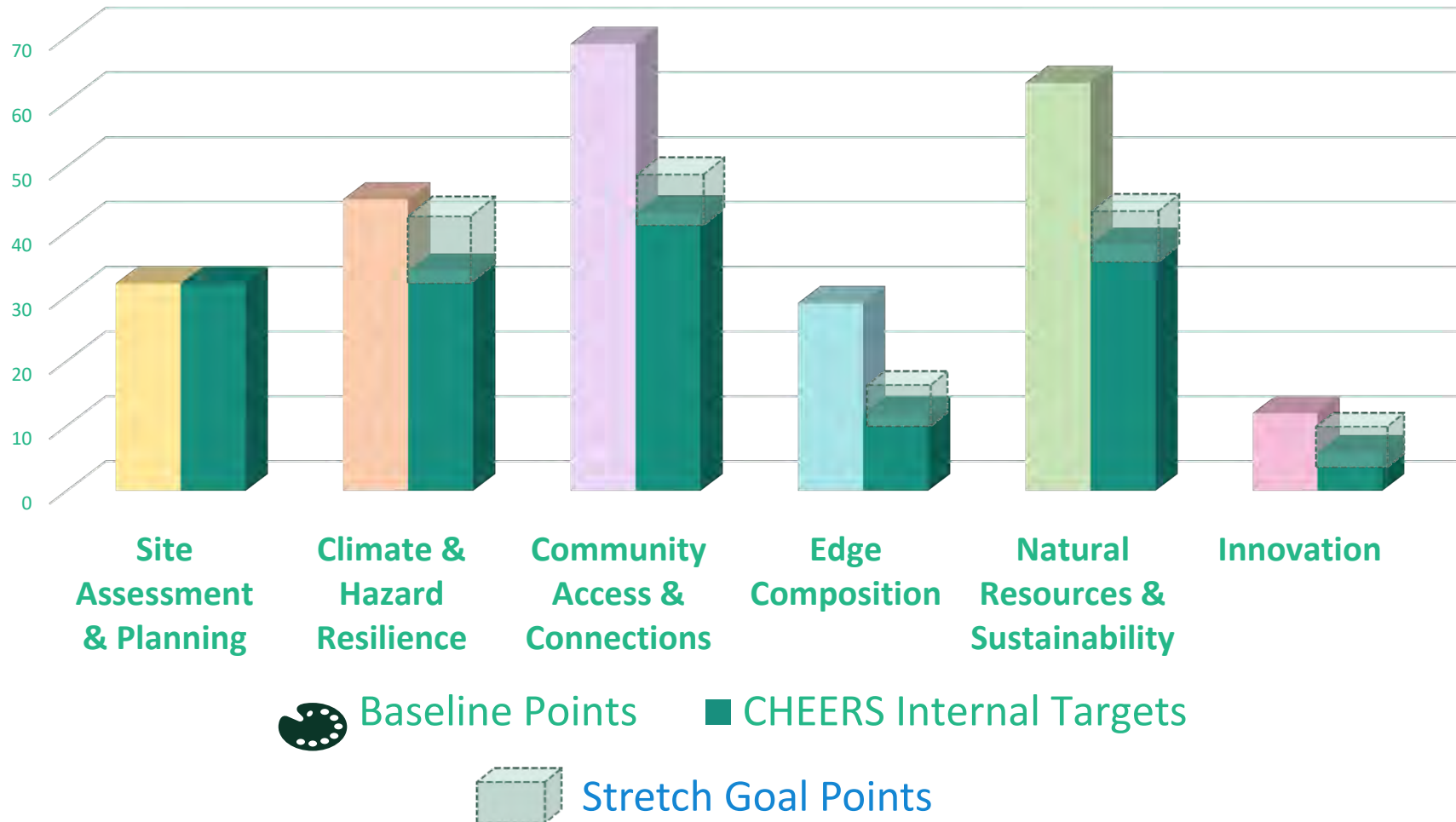
WEDG v3.0 Scoring

Category 0: Site Assessment & Planning	32
Category 1: Climate & Hazard Resilience	45
Category 2: Community Access & Connections	69
Category 3: Edge Composition	29
Category 4: Natural Resources & Sustainability	63
Category 5: Innovation	12
Total	250

- ✓ Successful projects achieve a minimum **130** of 250 points

CHEERS WEDG Credits

Highly achievable & goal points



CHEERS High Performance Categories

Climate & Hazard Resilience

- Climate and Resilience planning is embedded into every aspect of design
- Possible stretch credits provide room to improve above current baseline
- The nature of project protects against hazards and visionary thinking by stakeholder group prepares this park for success through the future

Community Access & Connections

- Robust community engagement drives decision making on the project
- Invested stakeholders equally desire successful outcomes and share in vision
- Cooperation between community groups means benefits are equitably distributed

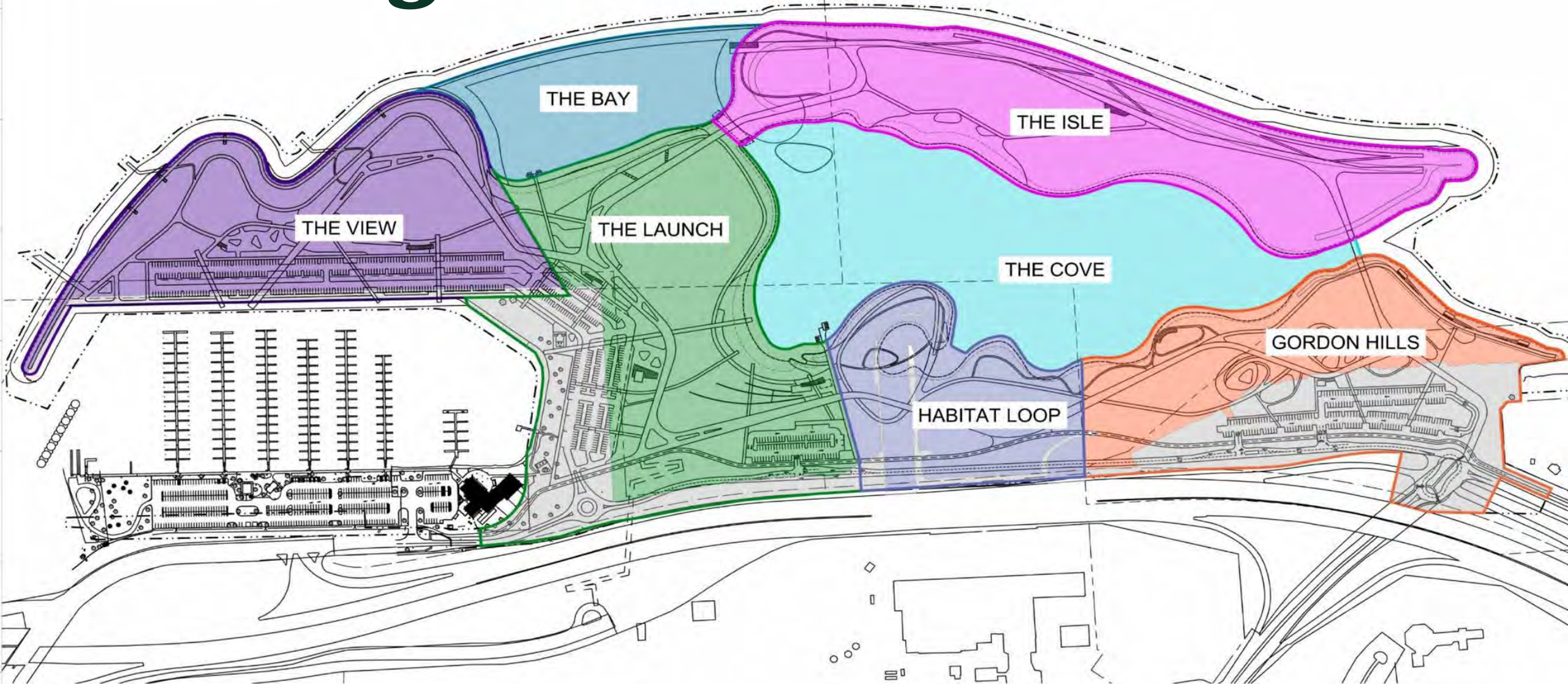
Nature Resources & Sustainability

- CHEERS restores hardened edge condition to one rich with habitat potential
- Use of dredge spoil material provides excellent use case for circular economy principles
- Sustainable park systems ensure long term viability and reduction of maintenance and upkeep costs

✓ Successful projects achieve a minimum **130** of 250 points

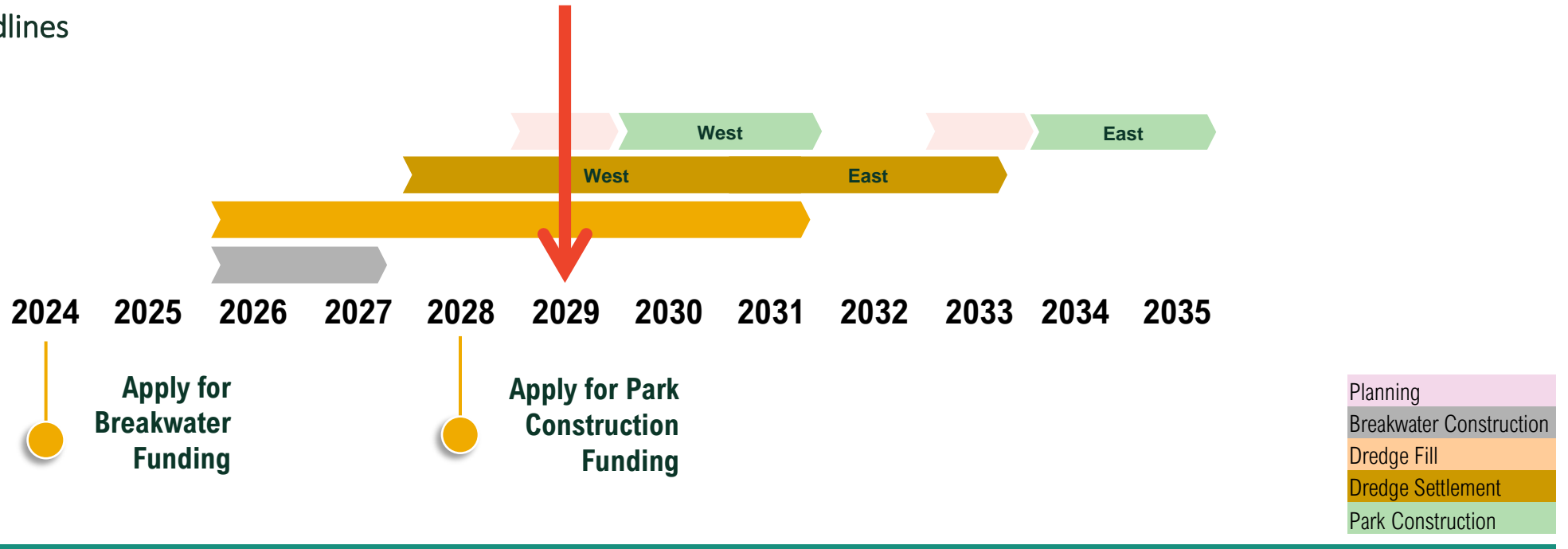
Implementation & Funding

Phasing



The View

Funding Key Deadlines



Costs

Breakwater	\$55,165,800
Park Construction	\$19,031,400

Funding Themes

H	Ecology/Habitat
PE	Park Equipment
NBS	Nature Based Solutions (Coastal)
R	Resilience (storm, flooding, wave action)

Funding Pursuits

- NOAA Coastal Resilience Regional Challenge
- NOAA Transformational Habitat

Program Menu

- Building Resilient Infrastructure and Communities (BRIC)

Prior Grant Applications – Agency Debriefs & Updates

PRIOR APPLICATIONS		
USDOT PROTECT		
GRANT REQUEST		\$ 44,800,000
LOCAL MATCH		\$ 11,350,000
ODOT	\$ 5,600,000	
NOACA	\$ 2,800,000	
Clev Metroparks	\$ 2,800,000	
Port	\$ 150,000	
NOAA		
Transformational Habitat	\$ 23,678,984	
Climate Resilience Regional Challenge	\$ 59,400,000	
	TOTAL:	\$ 139,228,984



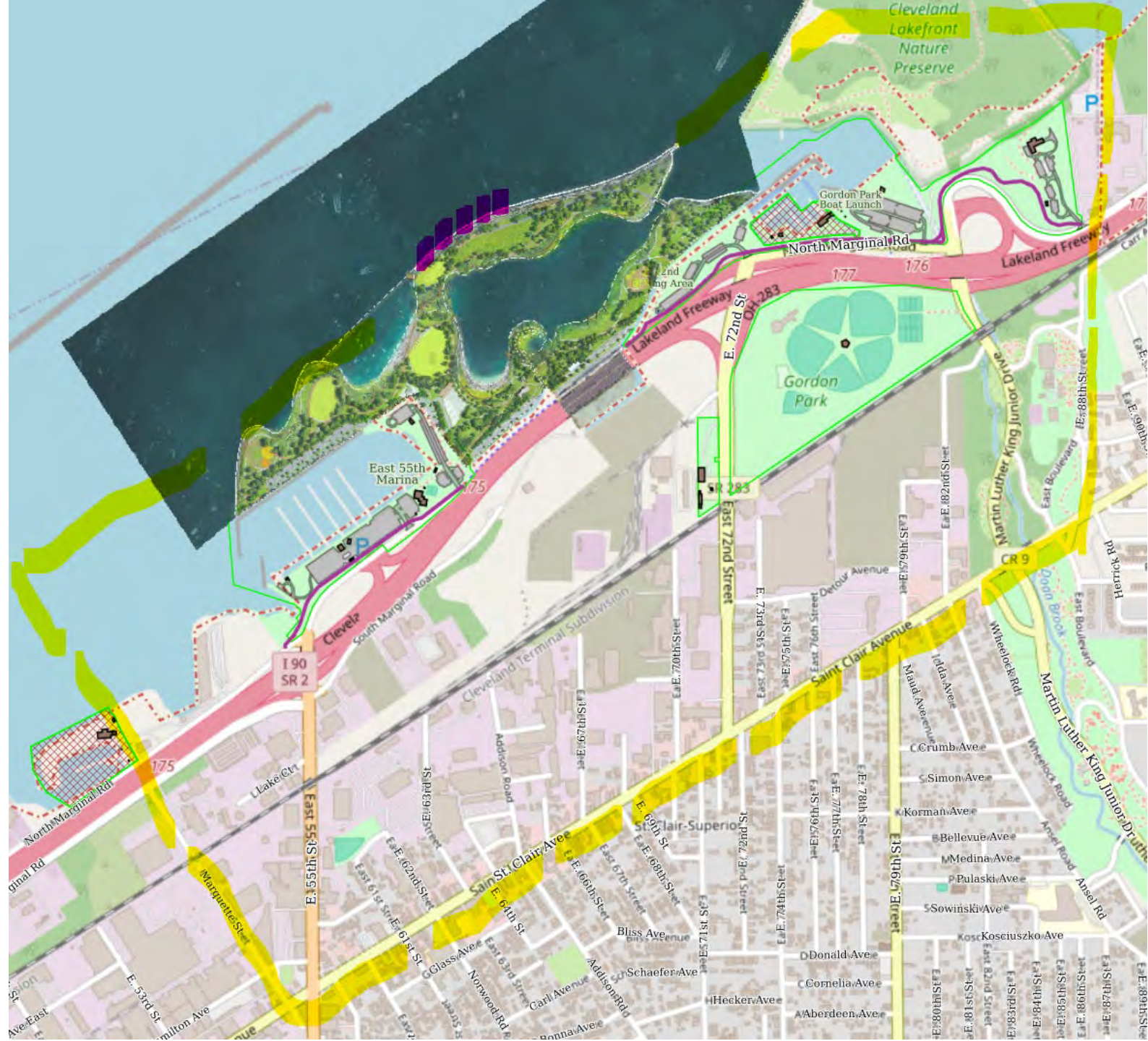
2024 Grant Applications

PROTECT

- NOFO expected in November
- Repeat / bolster previous application
- BCA score no longer required thanks to ODOT work
- NEED TO DOCUMENT IMPACTS

Reconnecting Communities Pilot – Planning Grant I-90 from E55-MLK

- Reduce existing 12 ramps within 2-mile study area
- Address barrier of railroad
- Identify key community gateways
- Respond to neighborhood changes / new Lakeshore Blvd & redevelopment
- **Due Sept. 30th**



Partner Coordination Topics

Port Updates

- Advocacy efforts
- Capacity and urgency
- Several presentations, including OTEC coming up in October

BEL Updates & Congratulations!

<https://lakeerie.ohio.gov/wps/portal/gov/lec/home/news-and-events/all-news/Great+Lakes+Environmental+Justice+Grant+Program>

Ohio Lake Erie Commission Receives Multi-Million Dollar Award to Fund Projects in Underserved Communities Across Ohio's Lake Erie Watershed

May 08, 2024



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FOR IMMEDIATE RELEASE

MAY 30, 2024

Ohio Lake Erie Commission Receives Multi-Million Dollar Award to Fund Projects in Underserved Communities Across Ohio's Lake Erie Watershed.

Ohio Lake Erie Commission (OLEC) has been selected as one of four recipients of the multi-million dollar Great Lakes Environmental Justice Grant Program awards, aimed at improving environmental outcomes in underserved and overburdened communities within the Great Lakes Basin. The award is part of the Great Lakes Restoration Initiative through the U. S. Environmental Protection Agency.

OLEC will receive \$5.8 million to develop and implement the Lake Erie Environmental Justice Grant Program. This initiative will be carried out in collaboration with Black Environmental Leaders Association (BEL) and Rural Action (RA) to ensure that historically under-resourced communities, from urban centers to rural areas, have increased ability to access funding to protect and restore Lake Erie.

"This grant enables OLEC and our partners—BEL and RA—to expand our reach and deepen our impact to ensure that underserved communities across Ohio's Lake Erie shoreline will be able to implement restoration and address water quality," said Joy Mullinex, Director of the Ohio Lake Erie Commission.

ODNR Updates

- Congratulations to Scudder on an incredible career and his recent retirement!
- Thank you for the original vision for Cleveland's east side lakefront leading to **CHEERS**

SCUDDER MACKEY

Sep 28, 2020 | [Administrative Leadership](#)



Scudder Mackey

As Chief of the Office of Coastal Management, Scudder Mackey oversees ODNR's efforts to protect and manage Ohio's coastal resources by providing technical assistance and guidance to coastal constituents, coordinating resource protection and management activities along Ohio's shoreline, and providing financial assistance to communities.

Scudder holds a Ph.D. in sedimentology from the State University of New York in Binghamton. Scudder first worked for ODNR from 1992–2001 as supervisor of the Lake Erie Geology Group with the Ohio Geological Survey before returning and assuming his current position in 2012.

He has also worked as a project

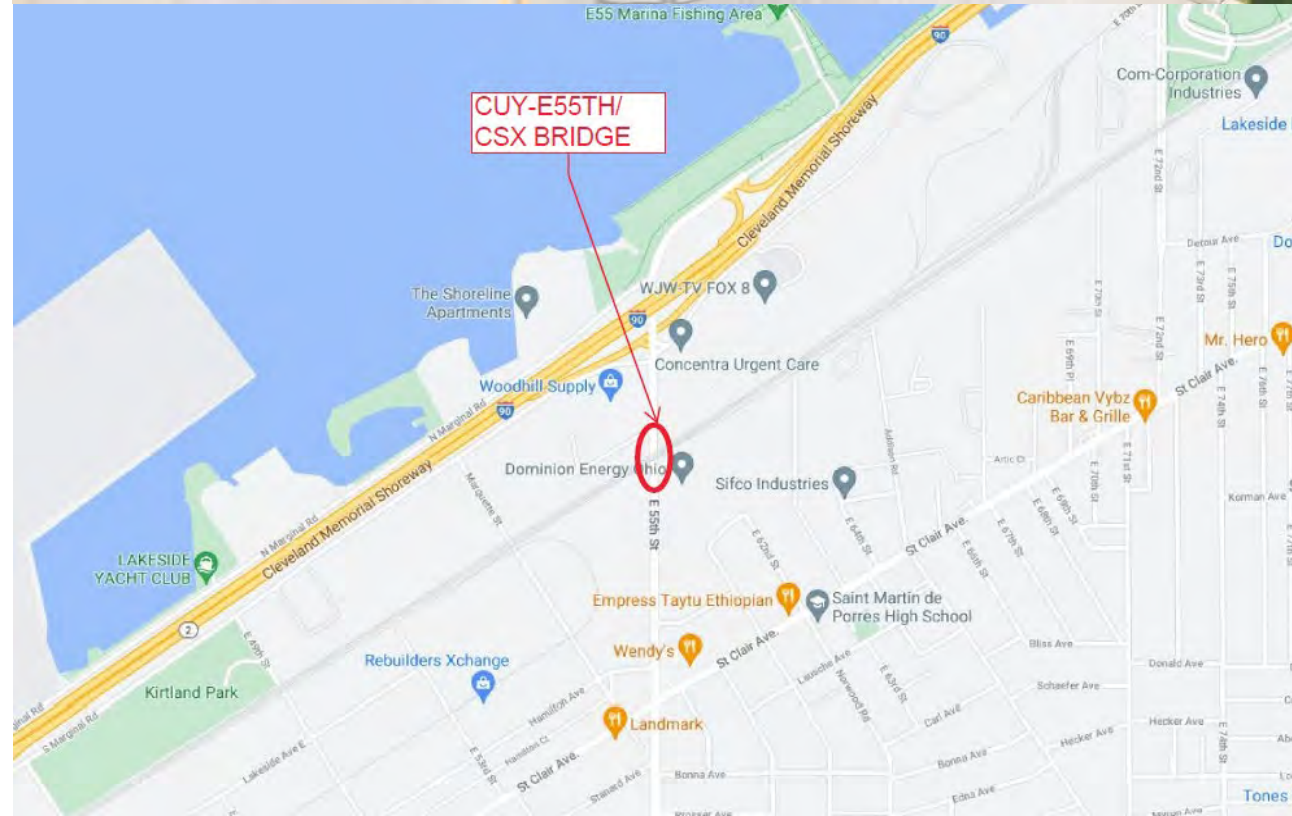
implementation manager with the Great Lakes Protection Fund and holds adjunct and Associate Research professorships in the Departments of Biological Sciences and Earth

Sciences at the University of Windsor, Canada.

A native of Binghamton, NY, Scudder enjoys boating, sailing, hiking, and vacationing in Michigan's Upper Peninsula in his free time.

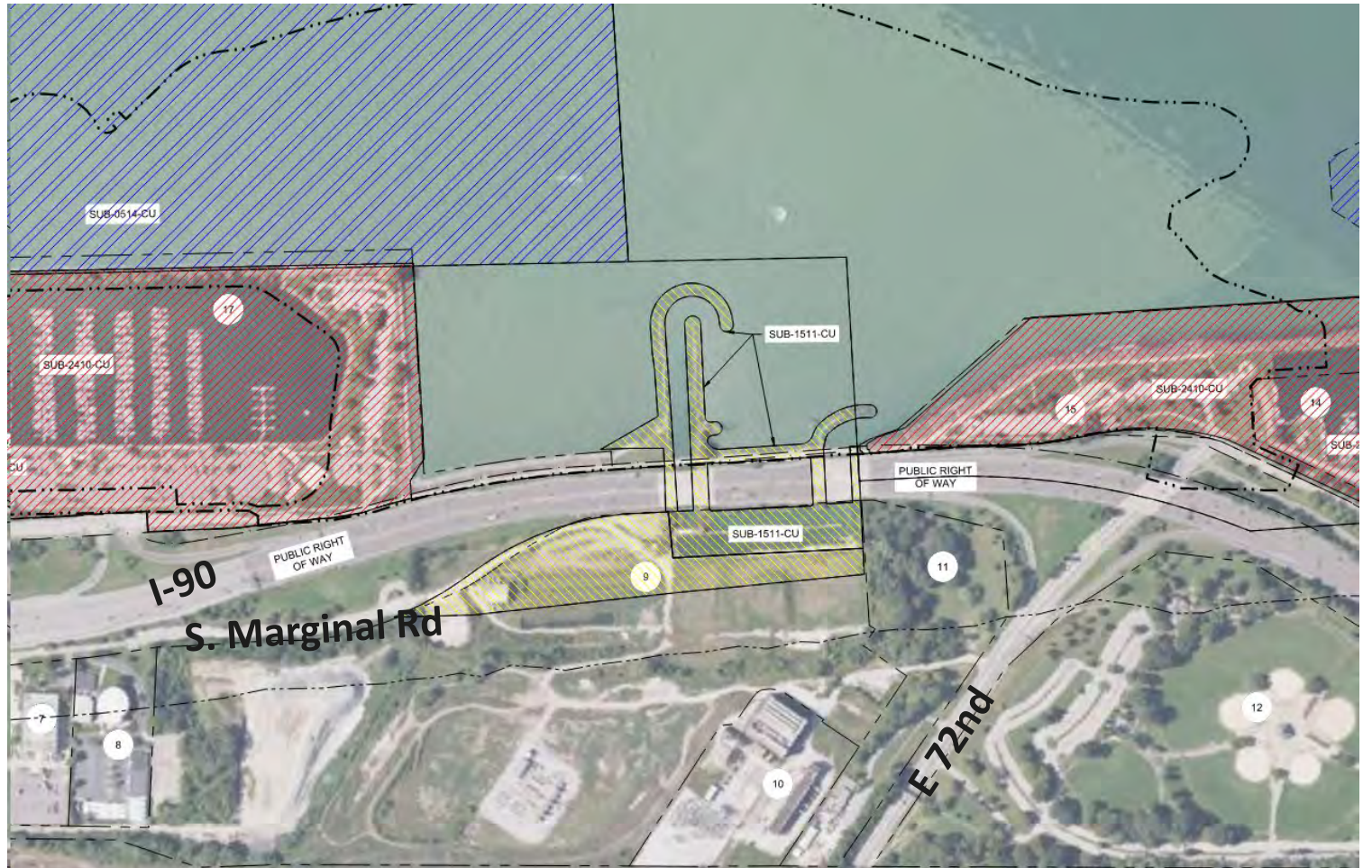
ODOT Updates

- Support for Reconnecting Communities application
- Co-presenter at OTEC
- A pending engineering design contract includes design work for the replacement and widening of the railroad bridge over E 55



City of Cleveland Updates

- Coordination with Adjacent Property Owner (IDA)
- Submerged Land Lease (SLL)
- Proposed site redevelopment



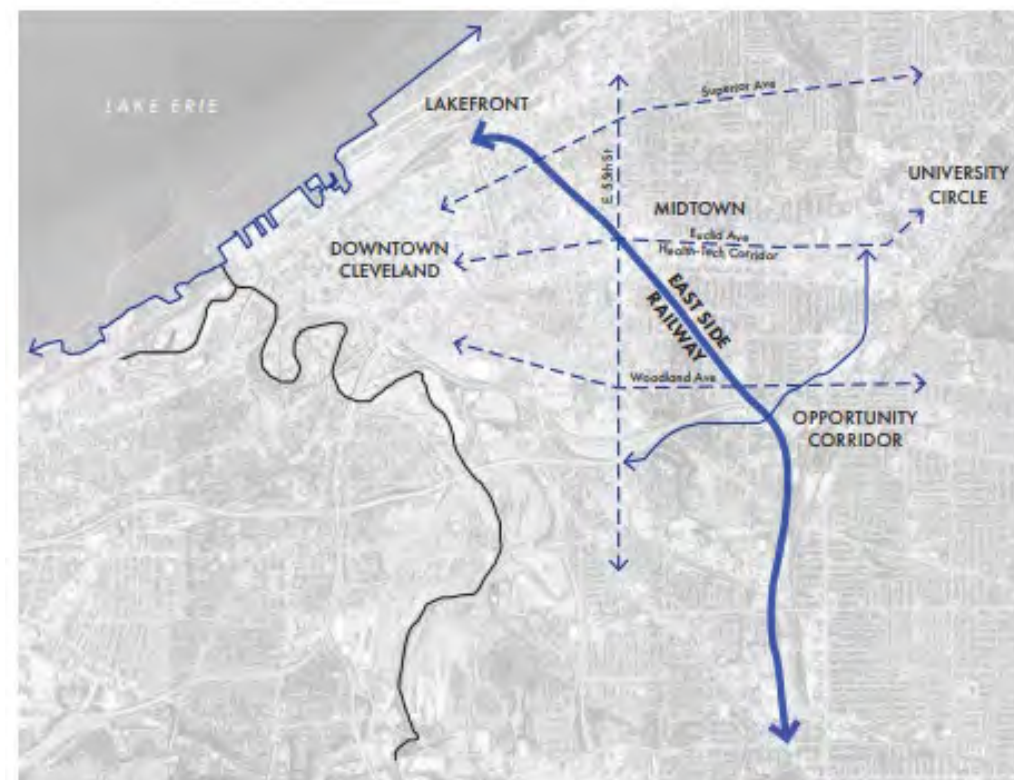
City of Cleveland Updates

- Safe Streets for All 2024
Award - \$2.4 M for planning
and demonstration / quick
build including along Superior
east of E. 55th




Planning in adjacent neighborhoods

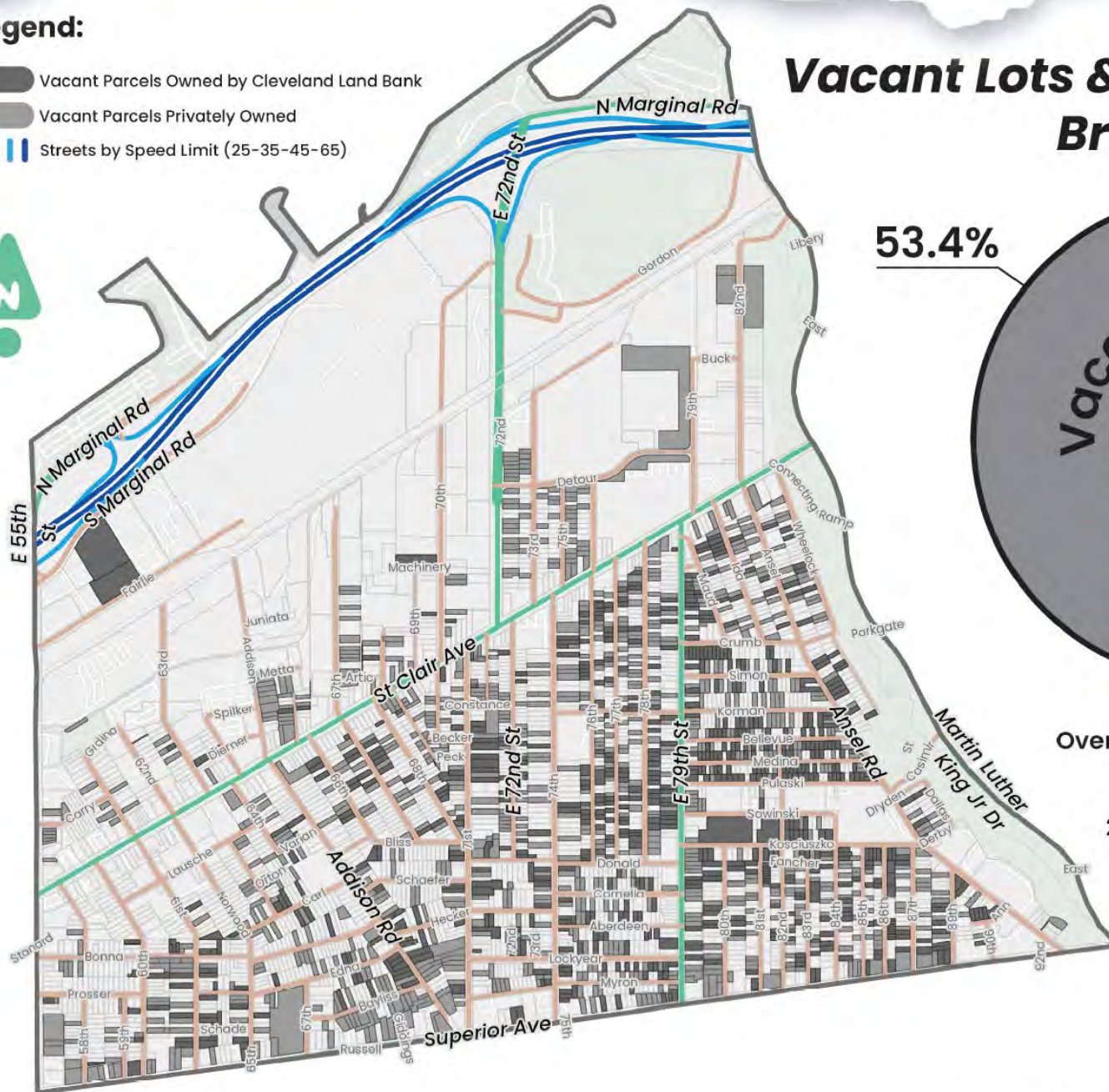
Superior Midway – downtown to E55
Citywide mobility plan – Cleveland Moves
LAND and MidTown – East side railway corridor

Ongoing coordination / co-promotion with North Coast



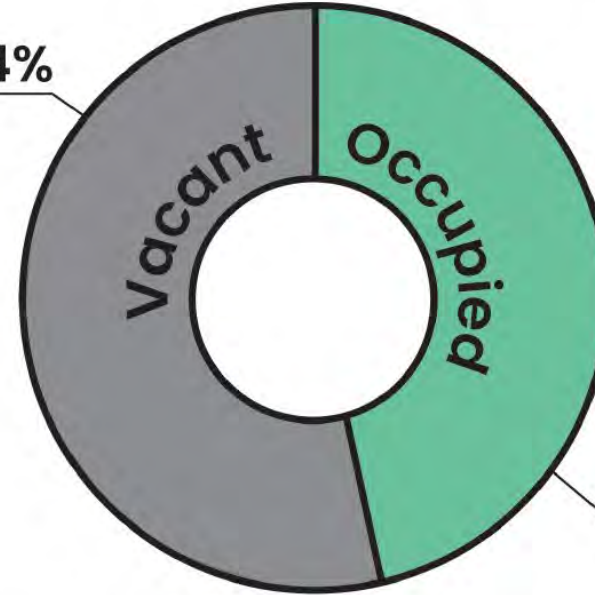
Legend:

-  Vacant Parcels Owned by Cleveland Land Bank
-  Vacant Parcels Privately Owned
-  Streets by Speed Limit (25-35-45-65)



St. Clair Superior: Vacant Lots & Vacant Structures Breakdown, May 2024

53.4%



46.6%

Over half of the parcels in St. Clair Superior are categorized as "Vacant Lots" or "Vacant Structures", per the 2022 Cleveland Property Inventory.



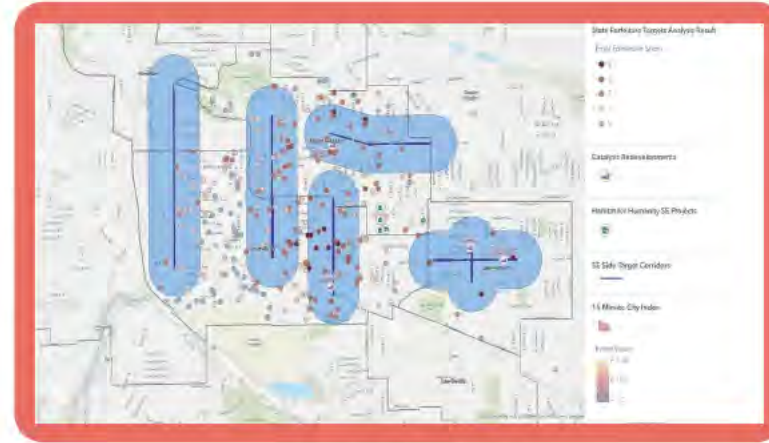
CITY OF CLEVELAND
Mayor Justin M. Bibb
CITY PLANNING

Analysis Background

This strategic approach builds off work Alan Neider (B&H Harvard Fellow) did in Summer 2023.

Taking queues from his work and refining the analytics, City Planning has incorporated a more complete neighborhood profile (including zoning, etc.) and expanded on Neider's previous forfeiture thinking.

The goal of this analysis is to call out specific addresses to hold and focus on for **renovations, rehabs, and priority infill**.



Alan Neider, 2023

**This is a City Hall roadmap for focused investment.
The ultimate goal for residents:**

- 1) Create affordable owner-occupied homeownership opportunities with unoccupied state forfeiture parcels
- 2) Build sustainable generational wealth through homeownership



St. Clair Superior Priority Areas

Legend

Cleveland Neighborhoods: SCS

Tax Suspension Properties, Not Vacant Structure and/or Not Graded A-D)

Potential Forfeitures on Vacant Structures, Graded A-D

Forfeiture Review Points: April 2024

SCS Priority Areas

Kernel Density: Property Grades (polygon)

Priority Level
 1.0 - 35
 36 - 80
 81 - 140

150 - 210
 220 - 280
 290 - 350
 360 - 420
 430 - 500

Streets: SCS
 25 mph

35 mph
 45 mph
 65 mph

City of Cleveland Parcels: SCS
 Streets: SCS



CITY OF CLEVELAND
 Mayor Justin M. Bibb
 CITY PLANNING

Cleveland Metroparks Updates

1. E9-E55 North Marginal Trail underway
2. Patrick S. Parker Community Sailing Center



Cleveland Metroparks Updates

Patrick S. Parker Community Sailing Center

- Replaces existing structure at east side of E55th Marina
- New auxiliary boathouse at west side of E55th Marina



Cleveland Metroparks

Gordon Park Planning –

LAND studio & SmithGroup
plangordonpark.com

Sept. – Initial Concept Plans

OCTOBER 16 – Community Open House
6:00-7:30 PM at Horizon Science Academy
6000 North Marginal Road

Plans will be refined through the fall, with a final concept in place by the end of 2024

Construction to begin in 2025



Let's reimagine
the future of
GORDON PARK
together!



The Plan for Gordon Park reimagines the future of the park first by acknowledging its past - a vibrant community asset, dissected and declining after decades of disinvestment. From this foundation, the Project Team will engage local residents to prioritize goals and collaborate on a vision for the future of Gordon Park as a thriving, active, neighborhood park and a dynamic regional destination.

WE WANT YOU INVOLVED!

The future of Gordon Park will...

- **Imagine** Gordon Park as a vibrant and celebrated gathering place to visit and explore
- **Invest** in diverse and equitable recreational programming and amenities that draw people in
- **Create** opportunities for connections, both physically and socially, to the lake and throughout the Eastside neighborhoods of Cleveland



For more information about the project and to find ways to participate in upcoming community engagement events and activities, scan the QR code or visit the project website at:

www.plangordonpark.com

Stakeholder Updates

September 2024

CSO-203 Relocation CHEERS Project Coordination

CHEERS Planning Concept with NEORSD Outfalls



CSO-203 Hydraulic Requirements

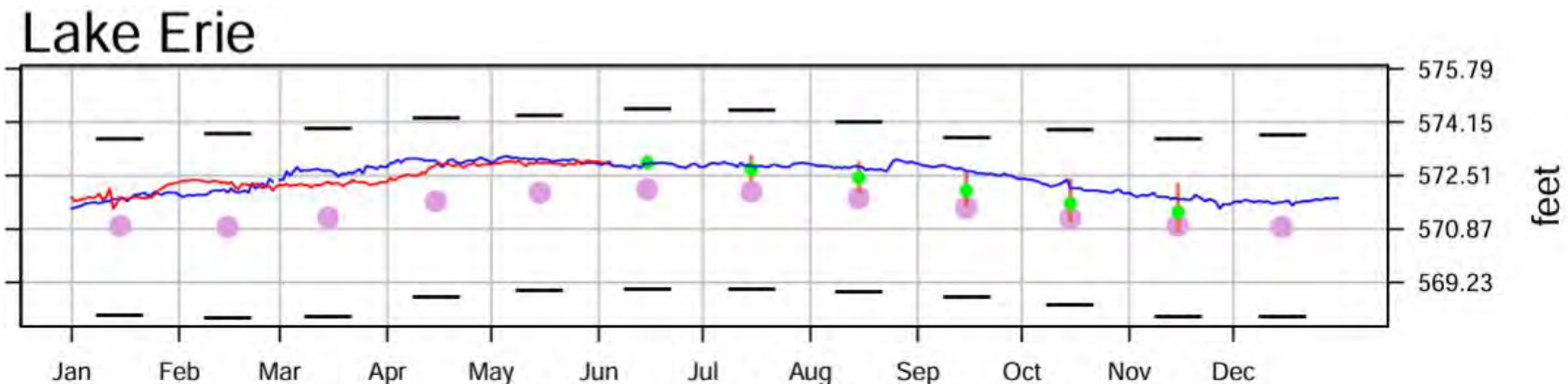
- Annual CSO Statistics

- CSO-203 currently overflows 13 times per typical year, totaling 11.71 MG.
- Once the Shoreline Storage Tunnel is online in 2026, CSO-203 will overflow once per typical year, totaling 0.21 MG.
- ODOT storm flow will still use the outfall pipe

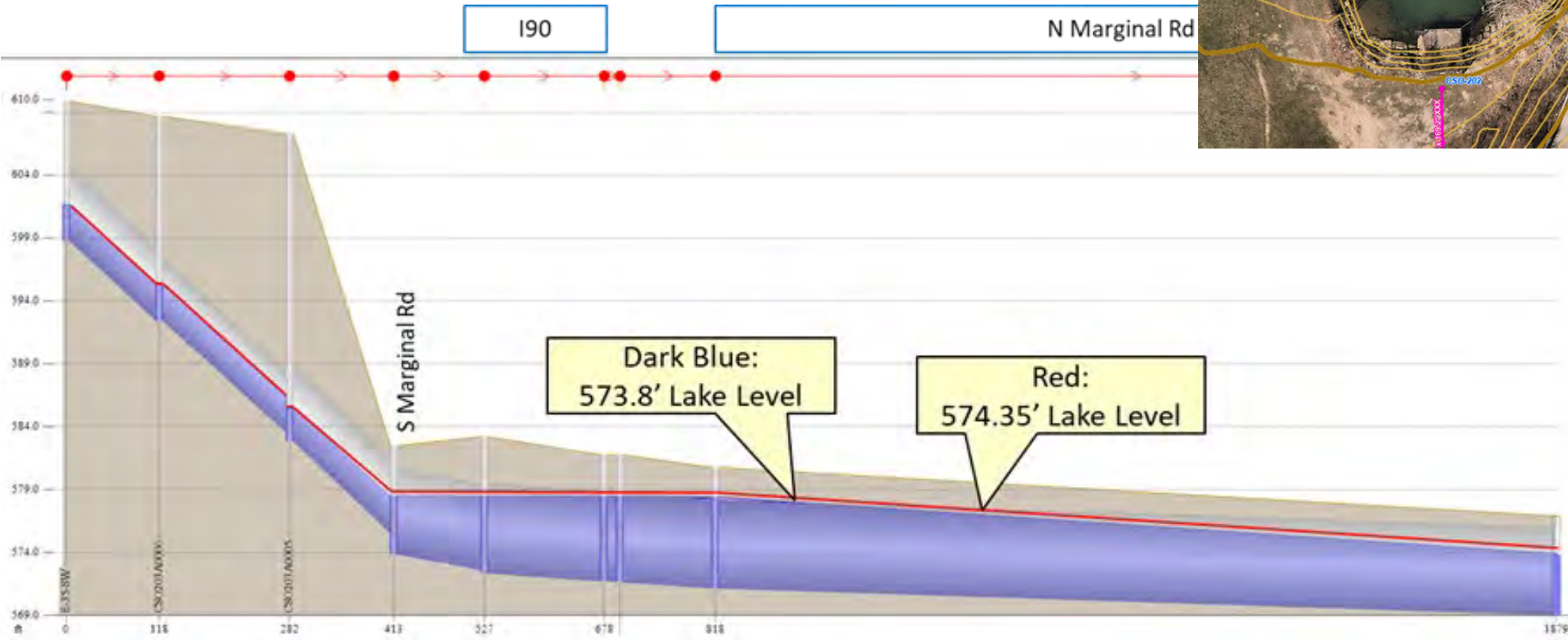
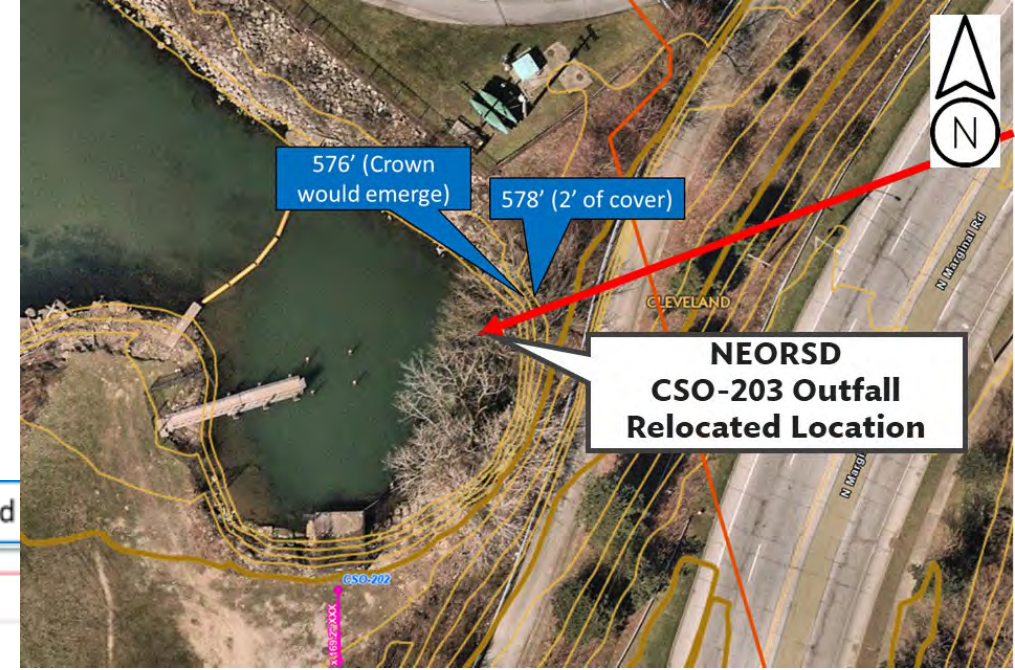
CSO-203 Hydraulic Requirements

- Design Requirements

- Convey 5-yr 6-hr storm = 221 MGD peak flow.
- Assumed Lake Erie Water surface elevation of EL 573.8
- Pipe sizing to consider Lake Erie water surface elevation of EL 574.35. Based on 2019 average Lake levels for top 8 storms (highest lake level based on NOAA data in last 100 years.
- Capture floatables in CSO-202/203 cove area



CSO-203 Proposed Hydraulic Profile



CSO-203 Sewer Alignment

- Approximately 1,070 LF of 7-ft x 7-ft sewer
- 1 Junction Chamber
- 4 manholes
- 1 headwall
- Open cut ~ 10-12-foot-deep excavation
- \$7.5 million project cost



CSO-203 Design and Construction Schedule

- Schedule Estimate (**Pending Sailing Facility Improvements**)
 - January 2026 - Release RFP (4 months to procure designer)
 - April 2026 - Design NTP
 - May 2027 – Final Design / Bid Advertise (1 year design period)
 - August 2027 – Award Construction (4 months to bid)
 - September 2027 - Construction NTP (1 year construction period)
 - Majority of construction activity to be completed during boating off season
 - October 2028 - Construction Substantial Completion

Stakeholder Updates

Cleveland Waterfront Project Updates



Pending St. Clair Superior Neighborhood Investments

Cuyahoga County Tree Planting
Grant:

- 40 trees along East 72nd fall 2024

Projects funded through the Jack,
Joseph, and Morton Mandel
Foundation:

- LAND studio – placemaking & murals
- Western Reserve Land Conservancy – tree plantings



Other Stakeholder Updates:

- Ingenuity Festival **Sept. 27-29** – CHEERS will be tabling!
- Doan Brook Watershed Partnership www.doanbrookpartnership.org :
 - **Family Fishing Day Sept. 14** at Rockefeller Lagoon
 - **Bike the Watershed Sept. 21** at Cleveland Lakefront Nature Preserve
- National Walk to a Park Day **Oct. 10 at 10 AM – walk @ E55**
<https://www.clevelandmetroparks.com/parks/calendar/2024/cwc/october/national-walk-to-a-park-day-lakefront-waterside-wa>
- Gordon Park Community Meeting – **Oct. 16 at 6 PM** –
Horizon Science Academy, 6000 South Marginal Rd.

Next CHEERS Stakeholder Meeting:

Dec. 12th at 11:30

Questions or Comments?



Linda Sternheimer

Vice President

Cleveland-Cuyahoga County Port Authority

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Kelly Coffman, ASLA

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