Lower Manhattan Coastal Resiliency Briefing

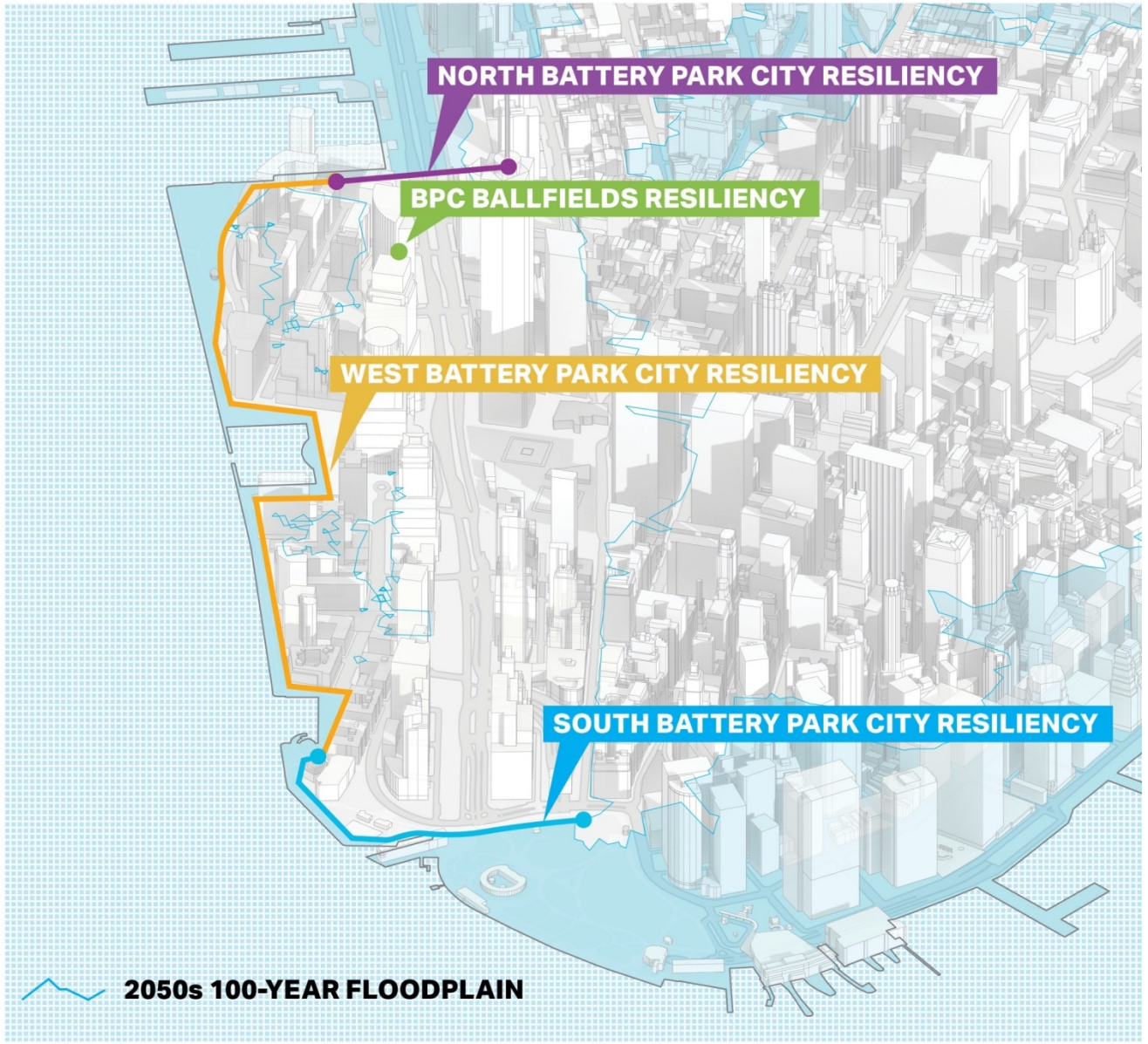
LMCR Update February 2021

NYC EDC

NYC Mayor's Office of Resiliency

Battery Park City Update

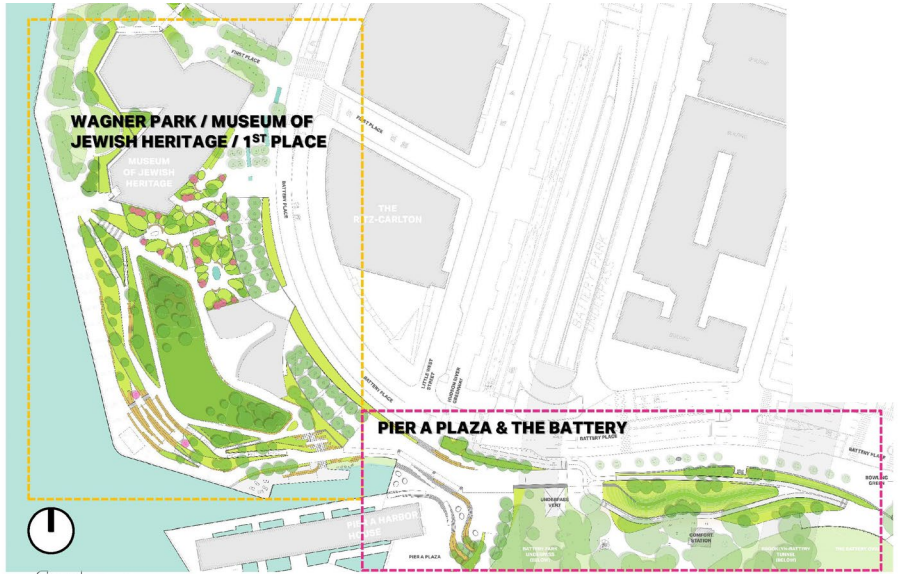
- South Battery Park City
  - EIS
  - 75% & 95% design
- North & West Battery Park City
  - Progressive Design Build
  - Consulting Engineer Solicitation in Progress
- Ballfields Resiliency
  - Revocable Consent Hearing Jan 2021
  - Construction Start – Spring 2021



Battery Park City Update

South Battery Park City Resiliency

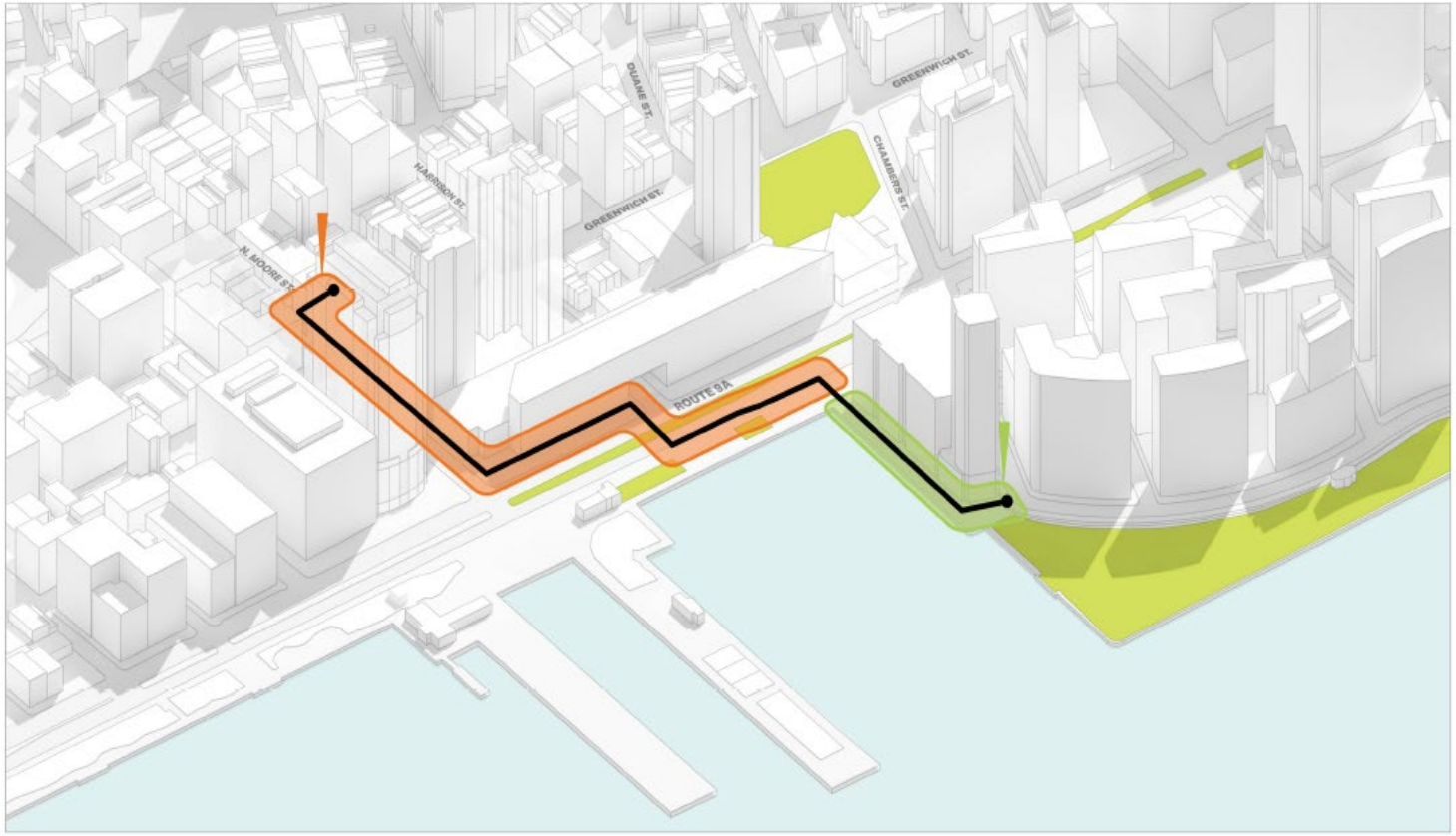
- EIS in progress
- Construction Start -- November 2021
- 75% design Pier A Plaza & Battery
- 95% design Wagner Park & MJH
- Concept Design for Inner Drainage
- Final PDC Target -- March 2021



Battery Park City Update

North & West Battery Park City Resiliency

- 30% Design of North Completed
- Preferred Alignment for North Tentatively Selected
- Completed Community Update #3 for North Project
- Progressive Design Build for Combined North and West Project in Progress
  - Consulting Engineer RFP Underway
  - PDB RFP issuance in 2021



Battery Park City Update

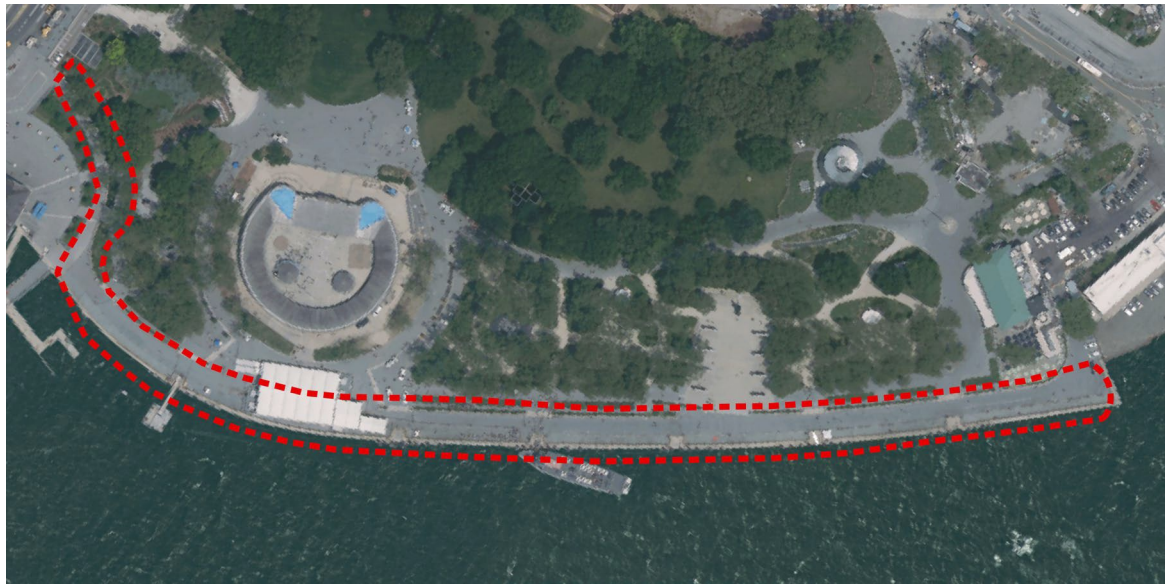
Ballfields

- Design Revision Completed (PDC Recommendations)
- Revocable Consent Hearing January 2021 - NYCDOT
- Construction Commencement – Spring 2021

The Battery Wharf Update

- *Stantec restarted design December 2020*
- *Ongoing coordination with City agencies, Mayor's Office, BPCA, National Parks Service, Battery Conservancy*
  - *In-depth meeting on March 15th at CB1 EPC*
  - *Public meeting in late March*
- *Construction Manager Procurement:*
  - *Hunter Roberts Construction Group: contract being finalized*

Current Conditions



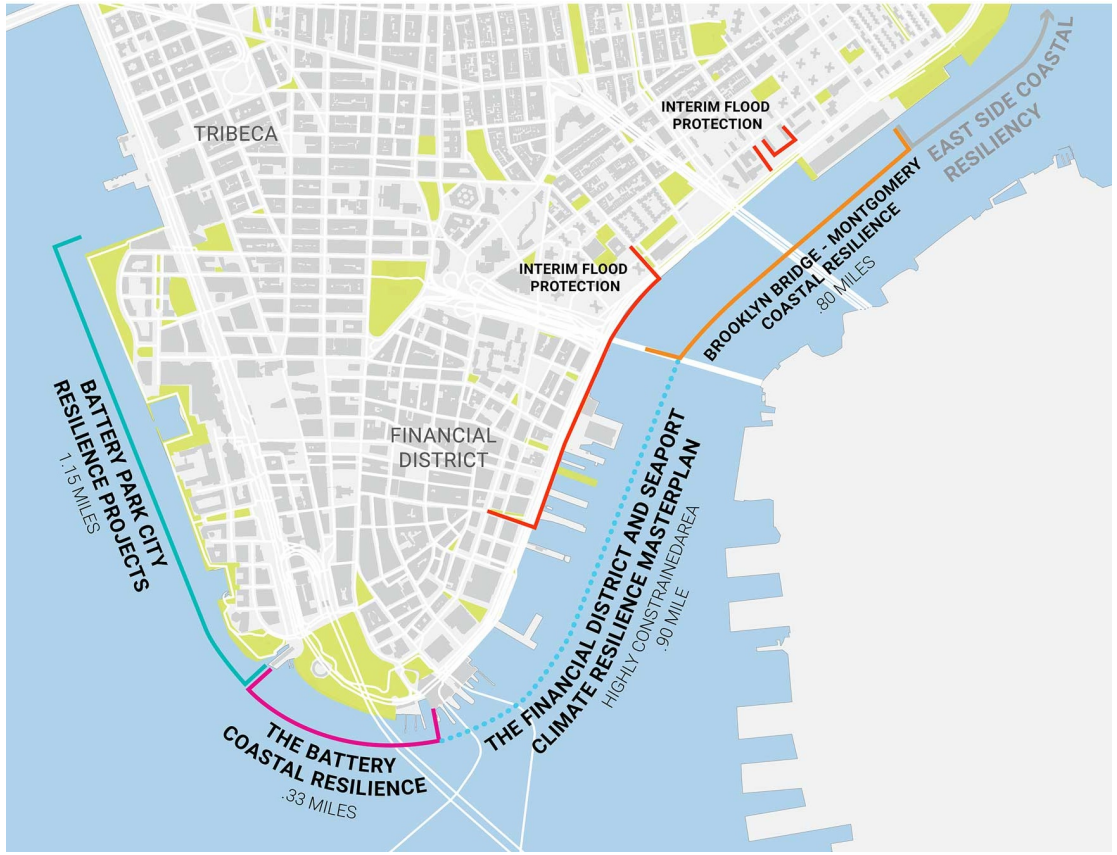
The Battery Wharf Project Location Map

The FiDi-Seaport Climate Resilience Plan will develop a coastal resiliency solution to protect Lower Manhattan

The Financial District and Seaport have unique constraints that require us to explore a range of flood protection options, including extending the shoreline into the East River.

What can we achieve by 2021?

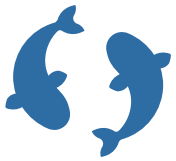
- Determine extent of shoreline extension
- Develop a conceptual design of coastal defense infrastructure and advancement of first phase project options
- Create a roadmap with details on implementation, financing, construction, and governance framework
- Advance permitting strategy with State and Federal agencies
- Create a drainage plan to upgrade sewer system in response to severe climate risks



The FiDi and Seaport neighborhoods are an unresolved gap in the broader LMCR strategy. Lower Manhattan and the region are vulnerable to increasing coastal flooding without a strategy for FiDi-Seaport.

What have we been up to since we last met?

Met with the **Aquatic Resources Advisory Committee (ARAC)** *to discuss existing site conditions and project priorities*



Progressing the **aquatic sampling & testing** *in the East River for the Fall sampling season, with results to be shared early 2021*

Developing and refining **hydrodynamic and wave models**, *including ADvanced CIRcluation (ADCIRC) and Simulating WAves Nearshore (SWAN), to understand the* **wave climate** *in the East River during both storm and non-storm conditions*

Completing desktop **tidal frequency analyses** *to understand how sea level rise will impact key maritime assets, including Whitehall Ferry Terminal and the Battery Maritime Building*

Building in additional detail and resolution into existing NYC drainage models to test different combinations **of pumping and storage solutions** *to manage stormwater in the study area*

How does the regulatory framework inform how we design?

As we develop options for the project, it is imperative that we comply with rules and regulations based on the existing Federal and State regulatory framework as these entities will be the ultimate decision makers on whether the project advances forward. This includes:

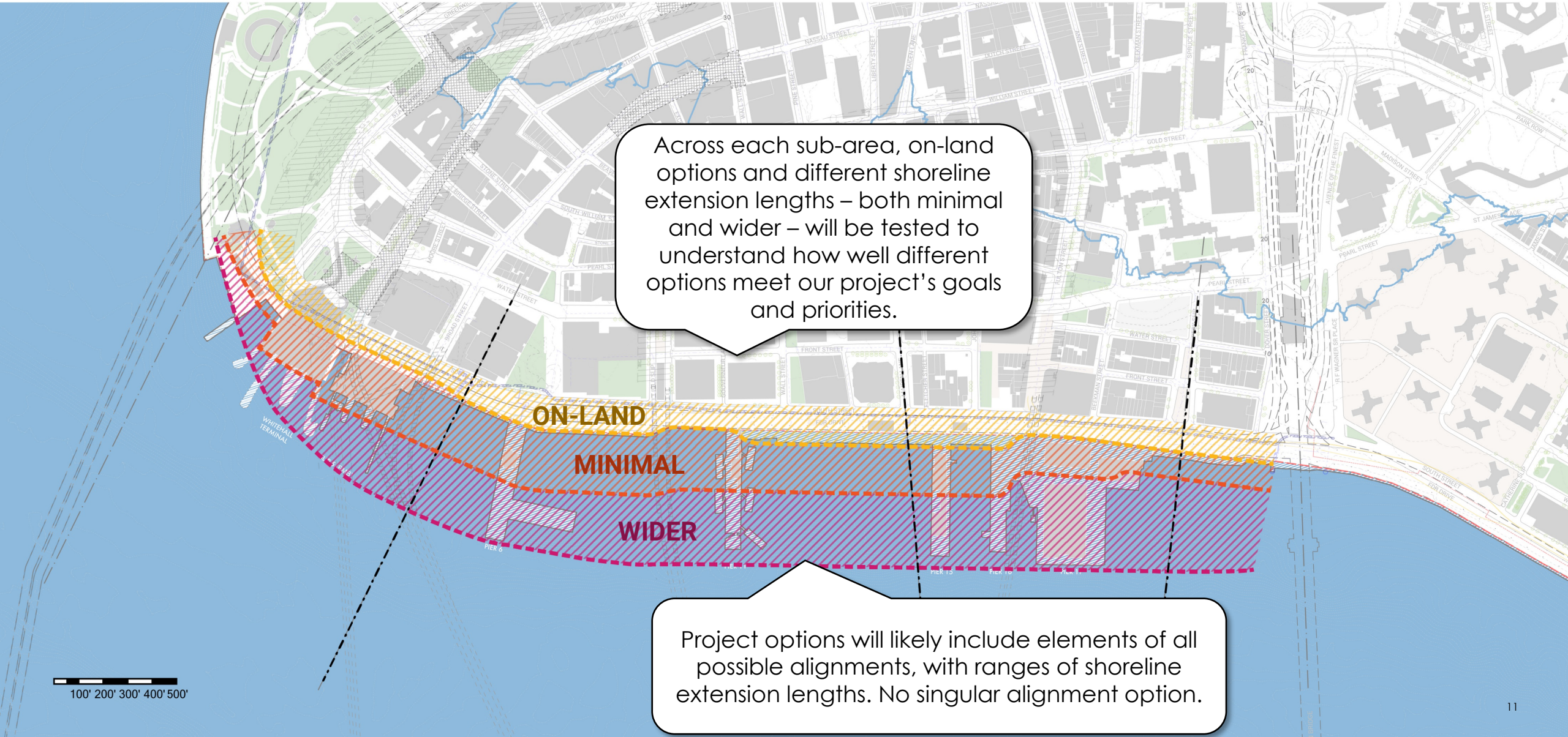
1. **Avoiding: fully assessing if an on-land option is possible to implement based on technical feasibility, impacts, and cost.**

2. **Minimizing: if we must go into the water to site our coastal resilience infrastructure, we must justify every inch and demonstrate that we are minimizing our impact.**

3. **Mitigating: if we must go into the water, we must understand all potential impacts – including ecological, navigation, and scour – and demonstrate to the State and Federal government that we can mitigate any negative impacts.**

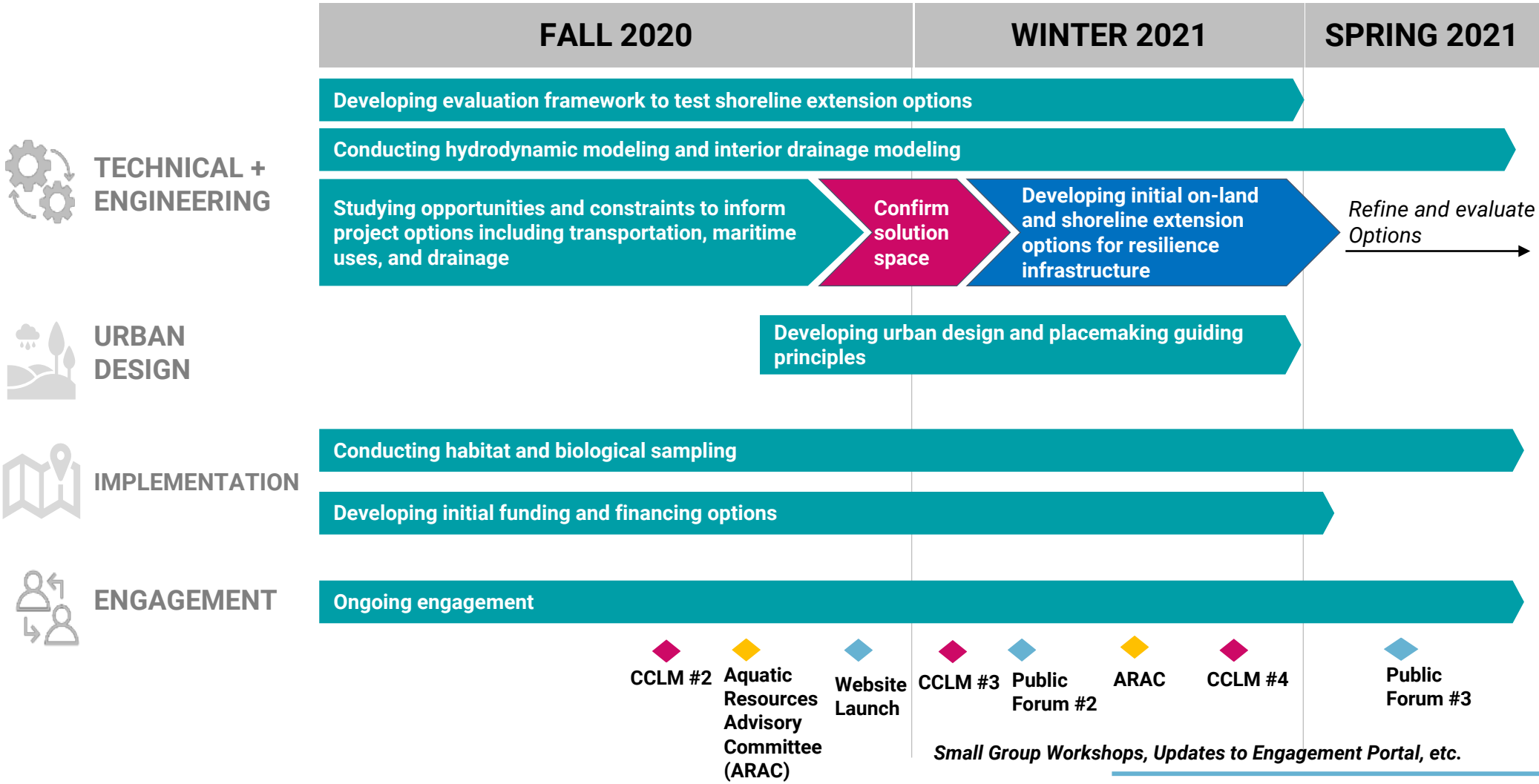
Four Distinct Study Areas

What do our early project options look like?



Studies will continue into 2021 to develop, refine and evaluate initial project options

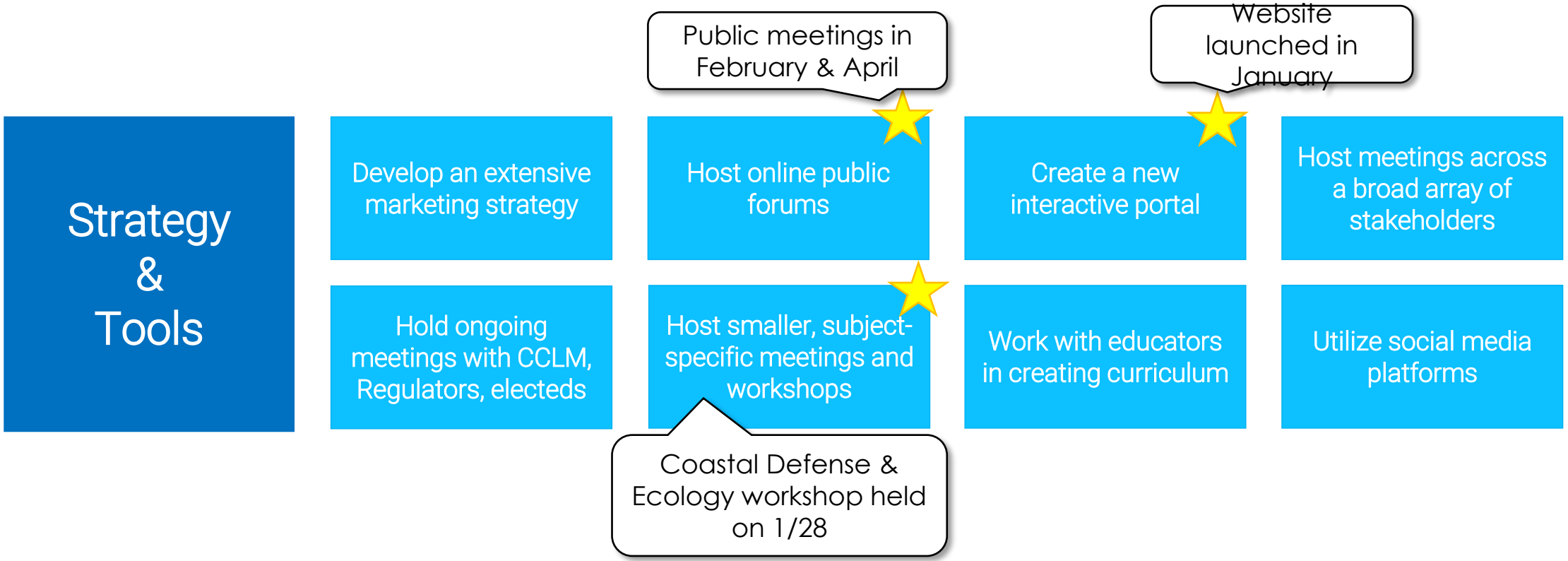
6-month workplan



Public Engagement Approach

***Empowering** stakeholders by advancing understanding of the science of climate risks and the technical constraints and tradeoffs of building flood protection in the study area.*

- *Create opportunities for* ***co-creation*** *to develop project options that meet the needs and priorities of local and regional stakeholders.*
- ***Delegate*** *power to planning partners to expand engagement and bring more people into the conversation.*
- *Actively* ***consult*** *with individuals and organizations with a stake in the project and incorporate feedback into the project development*
- ***Coordinate*** *closely across City, State, and Federal Agencies to ensure alternatives advanced are feasible and implementable.*



Upcoming Public Engagement

Projects	Timeline		
	February	*March*	*April*
Battery Park City South	*CB1 Update (2/22)*		
Battery Park City North+ West	*CB1 Update (2/22)*		*Introductory Project Meeting, (Estimated, date TBD)*
The Battery	*CB1 Update (2/22)*	*CB1 EP Committee (3/15)*	*Public Meeting #1*
FiDi-Seaport	*CB1 Update (2/22)* *Open House #2 (2/24)*	*Workshop: Envisioning a 21st Century Waterfront (TBD)* *Workshop: Funding and Financing (TBD)*	*CCLM #4* *Open House #3*
BK Bridge-Montgomery		*CB3 Waterfronts Committee (3/11)*	*Public Meeting #4*
Overall LMCR Strategy	*CB 1 Update (2/22)*		*Quarterly LMCR Call*

For FiDi-Seaport, visit our new website: fidiseaportclimate.nyc