

Lower Manhattan Coastal Resiliency

July 18th, 2022 Community Board 1 Update

NYC Mayor's Office of Climate &
Environmental Justice

Battery
Park City
Authority



NYC Parks

NYC / EDC

NYC Department of
DDC Design and
Construction

Agenda

- LMCR overview and goals
- Interagency coordination
- Construction and staging impacts
 - Overall
 - BPCA South
 - Projects in the Battery
- Ongoing engagement opportunities

Lower Manhattan Coastal Resiliency (LMCR) is a comprehensive climate adaptation strategy with over \$1B in city investments



LMCR Goals and Values

- Use the latest climate science to advance flood risk reduction projects across Lower Manhattan to ensure a **secure future for those who live in, work in, or depend upon Lower Manhattan** by addressing near and long-term climate risks
- Communicate **multi-hazard risk** and deliver projects with urgency
- Create an **equitable and inclusive public engagement process** that advances widespread understanding of climate risks and fosters dialogue around opportunities and constraints.
- Plan for resiliency infrastructure that protects **key historic assets, maximizes ecologically-sensitive design and sustainability, is adaptable over time**, and creates an accessible public realm for all
- Maximize **federal and state investment** to supplement city resources
- Ensure **clear communication** of construction impacts

Coordination Across the City

The LMCR portfolio has been structured to involve an array of agencies who remain coordinated via an interagency taskforce, regular updates within and across the agencies, and coordinated community outreach

Main agencies and roles:



Mayor's Office of Climate and Environmental Justice (MOCEJ): oversees City's resilience portfolio, including LMCR, and ensures consistency with citywide policy goals



New York City Economic Development Corporation (NYCEDC): leads on 3/4 of the LMCR portfolio, including leading design for the FiDi-Seaport Master Plan, BMCR, and the Battery



NYC Parks

Parks: Owner of The Battery



Battery Park City Authority (BPCA): Leads resilience planning and design for all projects within Battery Park City, including ongoing work with BPCA North/West and South



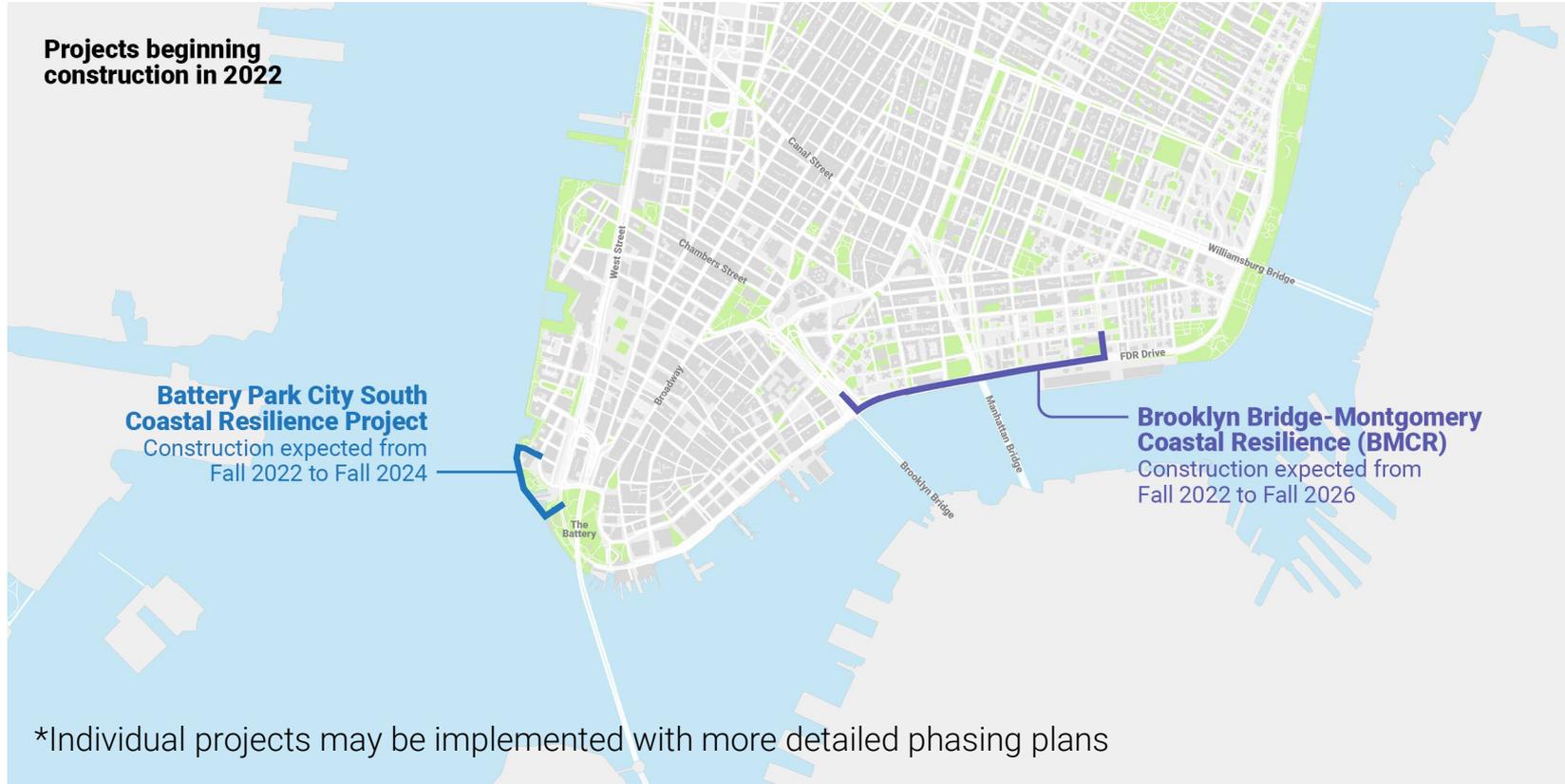
Department of Design and Construction (DDC): Leads on implementation of BMCR

Project Timelines

(Est. Dates as of July 2022)

Project	Design	Procurement	Construction Start	Construction Complete						
					'22	'23	'24	'25	'26	'27
Brooklyn Bridge–Montgomery Coastal Resilience	Complete	Summer 2022	Fall 2022	Fall 2026						
Battery Park City Authority Resilience South	Spring 2022	Winter/ Spring 2022	Fall 2022	Fall 2024						
The Battery Coastal Resilience	Underway	Fall 2022	Spring 2023	Winter 2024						
Battery Park City Authority Resilience North & West	Fall 2022	Summer 2022 (PDB Team Procurement)	Summer 2023	End of 2026						
Seaport Coastal Resilience	Late 2022	Spring 2025	Fall 2025	Winter 2027						
FiDi-Seaport Master Plan	Underway	TBD	TBD	TBD						

LMCR Active Construction Projects Starting Fall 2022



LMCR Active Construction Projects in 2023 & 2024



LMCR Construction Timeline: 2025 - Onwards



*Individual projects may be implemented with more detailed phasing plans

Projects in The Battery

Stage 1 – 6 Months

Aug. 2022 to Jan. 2023

Projects Active During Stage 1		
Project	Timeframe	Duration
1) Interim Wharf Repairs	August 2022 - January 2022	6 months
2) SBPCR	October 2022 - May 2024	20 months
3) NPS Temporary Tent Relocation	November 2022 - February 2023	4 months

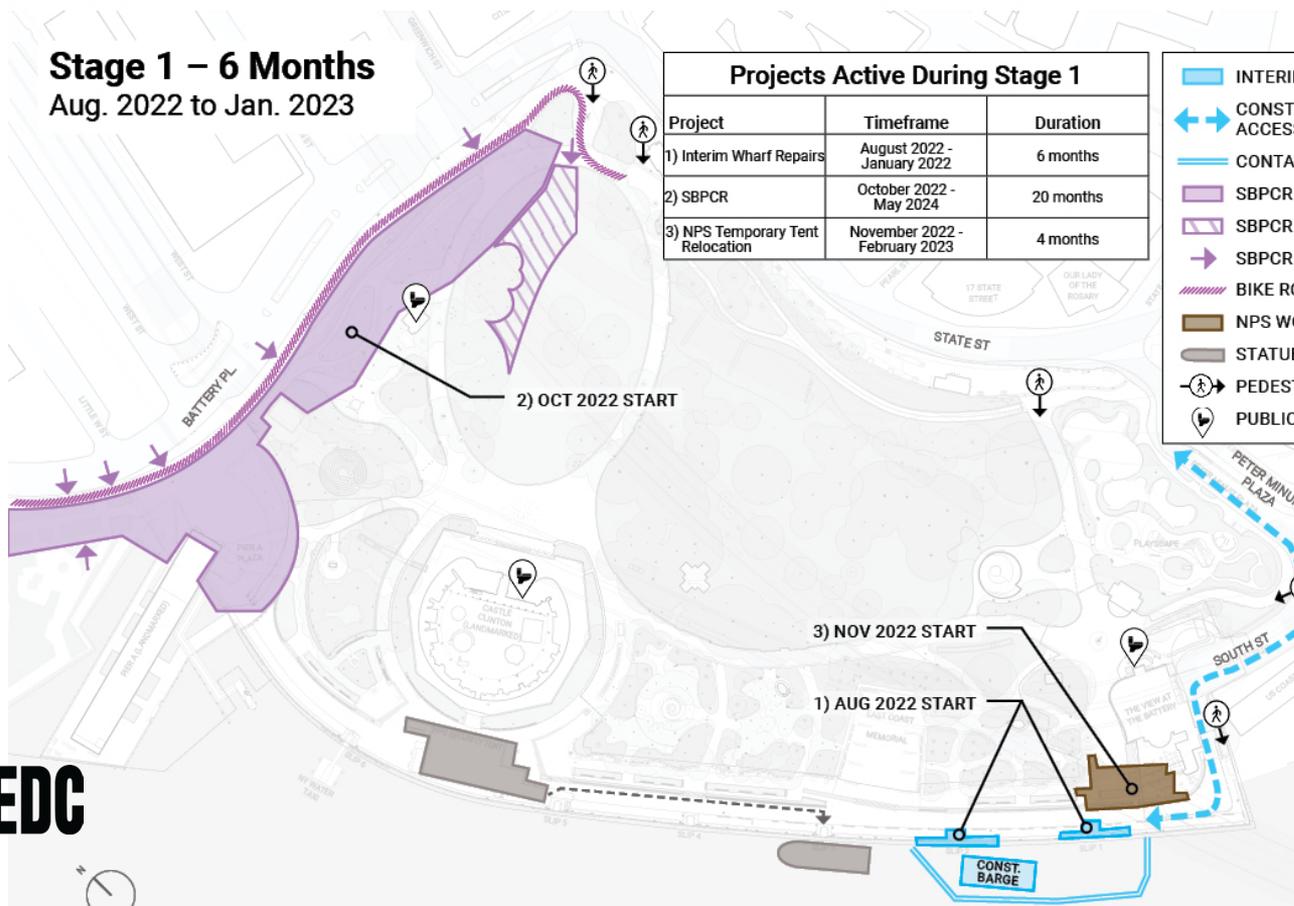
-  INTERIM WHARF REPAIRS
-  CONSTRUCTION VEHICLE ACCESS ROUTE
-  CONTAINMENT BOOM
-  SBPCR WORK ZONE
-  SBPCR STAGING AREA
-  SBPCR CONSTRUCTION GATE
-  BIKE ROUTE DETOUR
-  NPS WORK ZONE
-  STATUE FERRY OPERATIONS
-  PEDESTRIAN ENTRANCE
-  PUBLIC RESTROOM

OPEN TO THE PUBLIC

- PLAYSCAPE
- SEAGLASS CAROUSEL
- REROUTED BIKEWAY
- BATTERY WOODLAND
- URBAN FARM
- BOSQUE FOUNTAIN
- CASTLE CLINTON & STATUE OF LIBERTY FERRY
- MONUMENTS
- FOOD KIOSKS/ RESTAURANT
- RESTROOMS (3)

CLOSED TO THE PUBLIC

- PORTION OF OVAL LAWN



NYC / EDC



*Dates estimated as of July 2022



Projects in The Battery

Stage 2 – 12 Months Mar 2023 to Mar 2024

Projects Active During Stage 2		
Project	Timeframe	Duration
2) SBPCR	October 2022 - May 2024	20 months
4) LMCB Battery - Phase 1	March 2023 - March 2024	12 months
5) NYC Parks Field House Renovation	September 2023 - February 2025	18 months
6) NYCDOT Battery Park Underpass	January 2024 - December 2026	20 months

- LMCB BATTERY WORK ZONE
- LMCB BATTERY STAGING AREA
- CONSTRUCTION VEHICLE ACCESS ROUTE
- CONTAINMENT BOOM
- SBPCR WORK ZONE
- SBPCR STAGING AREA
- SBPCR CONSTRUCTION GATE
- BIKE ROUTE DETOUR
- DOT WORK ZONE
- DOT STAGING AREA
- FIELD HOUSE WORK ZONE
- STATUE FERRY OPERATIONS
- ↓ PEDESTRIAN ENTRANCE
- 🚻 PUBLIC RESTROOM

5) SEP 2023 START
6) JAN 2024 START

4) MAR 2023 START

- OPEN TO THE PUBLIC**
- PLAYSCAPE
- SEAGLASS CAROUSEL
- REROUTED BIKEWAY
- BATTERY WOODLAND
- URBAN FARM
- BOSQUE FOUNTAIN
- CASTLE CLINTON & STATUE OF LIBERTY FERRY
- MONUMENTS
- FOOD KIOSKS/ RESTAURANT
- RESTROOMS (3)
- CLOSED TO THE PUBLIC**
- WHARF
- GARDENS OF REMEMBRANCE
- OVAL LAWN



NYC Parks

*Dates estimated as of July 2022

Projects in the Battery

Stage 3 – 6 Months June 2024 to Dec 2024

Projects Active During Stage 3		
Project	Timeframe	Duration
5) NYC Parks Field House Renovation	September 2023 - February 2025	18 months
7) LMCN - Battery Phase 2	June 2024 - December 2024	6 months

-  LMCN BATTERY WORK ZONE
-  LMCN BATTERY STAGING AREA
-  CONSTRUCTION VEHICLE ACCESS ROUTE
-  CONTAINMENT BOOM
-  FIELD HOUSE WORK ZONE
-  STATUE FERRY OPERATIONS
-  PEDESTRIAN ENTRANCE
-  PUBLIC RESTROOM

OPEN TO THE PUBLIC

- PLAYSCAPE
- SEAGLASS CAROUSEL
- REROUTED BIKEWAY
- BATTERY WOODLAND
- URBAN FARM
- BOSQUE FOUNTAIN
- CASTLE CLINTON & STATUE OF LIBERTY FERRY
- MONUMENTS
- FOOD KIOSKS/ RESTAURANT
- RESTROOMS (3)
- PORTION OF WHARF
- PORTION OF GARDENS OF REMEMBRANCE
- PORTION OF OVAL LAWN

CLOSED TO THE PUBLIC

- PORTION OF WHARF
- PORTION OF GARDENS OF REMEMBRANCE
- PORTION OF OVAL LAWN



NYC Parks

NYC / EDC



*Dates estimated as of July 2022

Opportunities for Community Engagement

Project	Community Engagement Opportunities
BMCR	Ongoing Construction Updates & Communication
The Battery	Ongoing Construction Updates & Communication
Battery Park City	South BPC: Ongoing Construction Updates & Communication North/West: Virtual Open House for comments through 7/31 Further engagement opportunities in the fall once PDB team is on board
Seaport Coastal Resilience	2023 - Design Kick-Off
FiDi-Seaport Master Plan	Ongoing Design Updates/Presentations

Thank you!

Appendix

LMCR Projects and Construction Timelines



Construction & Staging

Waterfront Access

- **BMCR:** Access to waterfront to be maintained
- **The Battery:**
 - Access to western 2/3 of wharf closed for ~1 year beginning March 2023
 - Access to the eastern 1/3 of wharf closed for ~6 mo beginning June 2024
 - Access to Statue of Liberty Ferries will be maintained throughout construction
- **BPCA:** Access to the Battery Park City Esplanade south of 1st place and Pier A plaza will be closed
- **Seaport Coastal Resilience:** TBD
- **FiDi-Seaport Master Plan:** TBD

Construction & Staging

Access to Open Space

- **BMCR:** Access will be restricted to the East River Waterfront Esplanade Park – details and schedule are TBD
- **The Battery:**
 - Access to Oval Lawn will be partial during portions of construction and fully closed for other portions (see graphics)
 - Access to western 2/3 of Gardens of Remembrance closed for ~1 year beginning March 2023
 - Access to the eastern 1/3 of Gardens of Remembrance closed for ~6 mo beginning June 2024
- **BPCA:**
 - Access will be closed to Wagner Park for ~2 years
 - Access will be closed to Pier A Plaza and portions of the Battery along Battery Place for ~20 months
- **Seaport Coastal Resilience:** TBD
- **FiDi-Seaport Master Plan:** TBD

Construction & Staging

Traffic and Transportation

- **BMCR:**
 - Vehicular traffic will be modified from 8PM - 4AM daily, via a reduction in lanes along South Street and detours inland as needed
 - Bike lanes will be shifted to a combination of shared bike / ped pathways along the waterfront
 - Pedestrian walkways along the east side of South Street will be routed along the waterfront; the west side will remain as is
- **The Battery:**
 - Vehicular traffic will not be impacted
 - Portion of bike lane rerouted due to SBPCR entering through the park entrance at intersection of Battery Place and State Street
- **BPCA:**
 - Vehicular traffic will not be impacted
 - Bike lane to be relocated close to Battery Place
- **Seaport Coastal Resilience:** TBD
- **FiDi-Seaport Master Plan:** TBD

Construction and Staging

Community Outreach and Communications Plan

- Construction on LMCR projects is anticipated to begin by Fall of this year through 2027 and beyond
- While the specifics of construction impacts across all projects is not currently known, the City is committed to ensuring timely communication of impacts, closures, etc.
 - Accomplishing this may include:
 - Advance notice via CB meetings and other methods of community outreach to highlight impacts as they are known
 - Flyering and postering to highlight areas of impact
 - Advance outreach and communication to impacted adjacent property owners

Protecting Lower Manhattan Against Storm Surge and Tidal Flooding

A shared goal of protecting against climate hazards, addressing the unique conditions for each area

Near term capital projects to protect against either storm surge or daily tidal flooding

The Battery Coastal Resilience

0.33 Miles
Tidal Flooding: High tide + 2100 SLR

Seaport Coastal Resilience (SPCR)

Tidal Flooding: High tide + 2100 SLR



Protecting Lower Manhattan Against Storm Surge and Tidal Flooding

A shared goal of protecting against climate hazards, addressing the unique conditions for each area

Capital projects to address both storm surge and tidal flooding:

Battery Park City Coastal Resilience Projects

1.15 Miles

Storm Surge: 100 year storm + 2050s SLR

Tidal Flooding: High tide + 2050s SLR

Brooklyn Bridge-Montgomery Coastal Resilience (BMCR)

0.80 Miles

Storm Surge: 100 year storm + 2050s SLR

Tidal Flooding: High tide + 2050s SLR

Long term planning to address both storm surge and tidal flooding:

The Financial District and Seaport Climate Resilience Master Plan

0.90 Miles

Storm Surge: 100 year storm + 2100 SLR

Tidal Flooding: High tide + 2100 SLR

