Agenda:

1. Overview
2. East End Tie In
3. Pier A Tie In
4. The River that Flows Two Ways
Stantec Team

**Greg Sprich**  
PE, ENV SP  
PROJECT MANAGER / CIVIL ENGINEER

**Amy Seek**  
RLA, WEDG  
LANDSCAPE ARCHITECTURE LEAD

DRAFT
Lower Manhattan Coastal Resiliency Projects

- Battery Park City
- Financial District
- Seaport
- East Side Coastal Resiliency

**Project Overview**

- Interim Flood Protection Measures (IPPM)
- BK Bridge-Montgomery Coastal Resilience
- 0.80 miles

**DRAFT**
Design Goals

Prepare for Climate Change
1. Reconstruct and elevate the wharf approximately 5 feet to address its deteriorating condition while also taking into account future sea level rise.
2. Tie into adjacent resilience projects.
3. Improve drainage.

Preserve and Enhance Park Character
1. Maximize visibility of water/edge.
2. Minimize disturbance to physical structures, view corridors, and character of park.
3. Conserve existing artworks.
4. Minimize adverse impacts on historic structures and trees.
5. Reuse existing site materials.
6. Maximize sustainability of design/construction.
7. Provide new planting and public amenities.
8. Protect the park's historic resources.

Support Site Uses
1. Accommodate Statue of Liberty, Ellis Island, and Water Taxi vessels during and after construction.
2. Prioritize universal design.
3. Maintain sufficient seating.
Adjacent Projects

Provide continuity of park protections against 2100 SLR inland of the east end of wharf and more frequent low level 50 year storms

FINANCIAL DISTRICT AND SEAPORT CLIMATE RESILIENCE MASTER PLAN
CRITERIA AND DESIGN TBD

DRAFT
Proposed Design
East End Tie In
East End Tie-In Alignment

- Protects significant portion of park between The View at The Battery and Castle Clinton with minimal disturbance
- Maintains universal accessibility to wharf and The View at The Battery building
- Minimal impact to existing trees compared to other alignments with similar protection
- Minimal to no impact to building entrances or footprint. Other schemes resulted in awkward building entries and/or excessive floodproofing measures
- Does not impact new playground or ROW

LEGEND

- Existing +11' Contour
- Project Boundary
- Proposed +11 Edge Treatment
- Proposed +11 Pathway / Landscape
- Below-Grade Consideration
- Above-Grade Consideration
- 2020 50-Yr Flood
- 2100 Mean Higher High Water Level

DRAFT
Existing Conditions: Site Photos

1. View looking north from Gardens of Remembrance to The View at The Battery Restaurant

2. View looking south from bosque trees to The View at the Battery Restaurant and the wharf
Existing Conditions: Site Photos

3. View looking west from Marine Flagstaff to the SeaGlass Carousel and park vegetation

4. View looking east from Marine Flagstaff to The View at the Battery Restaurant and beer garden
Circulation - Pedestrian

Existing

Proposed East End Tie In

DRAFT

Lower Manhattan Coastal Resiliency Project - Battery

March 21, 2022 | pg 23
Pier A Tie In
Pier A Circulation

LEGEND

- WATERFRONT CIRCULATION
- STEPPED ACCESS

Existing 2015 (Typical Condition)  Proposed

DRAFT
Pier A Tie-In

Ramp to meet BPCA design pending grading confirmation

LEGEND

- +11 DFE
- LIMIT OF WORK
- BPCA/ PARKS PROPERTY LINE
- RAMPS WITH HANDRAILS

DRAFT
Piers mark transitions and support lighting, similar to wharf approach.

Companion seating

Worlds Fair benches

Alignment of +11 DFE
Sea Rail Design
The River That Flows Two Ways
Existing Conditions
Art Panel Layout

LEGEND
- BOLLARDS
- PROPOSED BOLLARD WITH RTFTW PANELS ON EACH SIDE
- EXISTING BOLLARD WITH RTFTW PANELS ON EACH SIDE
- EMBEDDED SIGNAGE IN THE PAVING
- PROPOSED FENDERS

COUNTS
- 19 EXISTING BOLLARDS
- 29 PROPOSED BOLLARDS
- 37 ART PANELS

EXISTING PANELS

DRAFT
Art Panels at East End

**Proposed Plan**

- **Slip 1 Maintenance Operation Deck**

**Legend**
- **Bollards**
- **Proposed Bollard with RTFTW Panels on Each Side**

**Existing Panels**

---

**Searail & The River That Flows Two Ways**

**March 21, 2022 | pg 34**

---

**LOWEST MANHATTAN COASTAL RESILIENCY PROJECT – BATTERY**
Project Timeline
DESIGN PHASE 1
CONCEPT DESIGN (30%)

DESIGN PHASE 2
SCHEM. DESIGN (50%)

DESIGN PHASE 3
FINAL DESIGN (75-100%)

CONSTRUCTION

2021
FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
2022
FEB MAR APR MAY

STAKEHOLDER ENGAGEMENT
PUBLIC MEETING 3/24

OUTREACH ROUND II
YOUR FEEDBACK!

OUTREACH ROUND III
YOUR FEEDBACK!

PDC AMENDED PRELIMINARY SUBMISSION DATE

DRAFT
Questions?