EAST SIDE COASTAL RESILIENCY
CB3/CB6 JOINT WATERFRONT TASK FORCE
November 9th, 2017
1. Project Overview
2. Project Updates
3. Next Steps
1. Project Overview

2. Project Updates

3. Next Steps
Project Goals

• Provide a reliable, integrated flood protection system; minimize use of closure structures and deployables

• Improve waterfront open spaces and access

• Respond quickly to the urgent need for increased flood protection and resiliency

• Achieve implementation milestones and project funding allocations as established by HUD
EAST SIDE COASTAL RESILIENCY
Project Approach: Designing Social Infrastructure
FLOOD GATES ARE LOCATED ACROSS PEDESTRIAN, CYCLISTS, AND VEHICULAR ACCESSWAYS.
EXISTING PROGRAM
USES ALONG THE WATERFRONT
DESIGN CONSIDERATIONS
CRITICAL GROUND LEVEL FEATURES

Existing Trees
Manhattan Greenway
Gravity Wall
Relieving Platform

#ONENYC
DESIGN CONSIDERATIONS
CRITICAL BELOW-GROUND FEATURES
A PROTECTED COMMUNITY AND IMPROVED WATERFRONT!

THE PROJECT CREATES AN ELEVATED EDGE 8’-9’ ABOVE EXISTING GROUND LEVEL.

NOTE: FEATURES ARE SUBJECT TO VALUE ENGINEERING
ESCR NEXT STEPS
Current Project Schedule

**DESIGN PROCESS**
- Concept Design Phase
- Preliminary Design Phase
- Final Design Phase

**ENVIRONMENTAL / EIS**
- Draft Statement of Work
- Draft EIS Report
- Public Reviews & Final EIS Report

**ULURP**
- Preparation & Submission
- Community & Technical Reviews

**COMMUNITY ENGAGEMENT**

**EAST SIDE COASTAL RESILIENCY PROJECT**
- Winter 2015/16
- Winter 2016/17
- Winter 2017/18
- Spring 2019
1. Project Overview

2. Project Updates
   - Stakeholder Engagement
   - On-going Coordination
   - On-going Field Work
   - Interior Drainage Analysis
   - Action Plan Amendment Approved by HUD

3. Next Steps
PROJECT UPDATES
Stakeholder Engagement

25TH STREET TIE-BACK

APRIL 25TH MEETING
JUNE 15TH FOLLOW-UP MEETING
JUNE 28TH SITE WALK

MONTGOMERY ST TIE-BACK

SEPTEMBER 15TH (2016) BOARD MEETING
JANUARY 17TH BOARD MEETING
NOVEMBER 6TH BOARD MEETING

NYC.GOV/ESCR WEBSITE FOR PUBLIC INPUT
PROJECT UPDATES
Stakeholder Engagement: 24th/25th Street Alignment

ALIGNMENT 1: 25TH STREET
- Provides flood protection for playground and park
- Decreases park visibility from street (reduces safety and visual presence of park)
- Maintains visual connection between playground and Rec Center
- Greater limitations on future flexibility of site (tree plantings, park design)
- Greater limitations on future of E 25th St. (pedestrian experience, adjacent sites)
- Longer duration of high intensity construction disturbance
- More expensive (approx. $7.5 million difference)
- Increases operations and maintenance burden (graffiti/vandalism, drainage)

ALIGNMENT 2: 24TH STREET
- Flood protection for recreation center and swimming pools only
- Maintains park visibility from street (promotes safety and visual presence of park)
- Decreases visual connection between playground and Rec Center
- More flexibility for site (tree plantings, park design)
- More flexibility for E 25th St. (pedestrian experience, adjacent sites)
- Shorter duration of high intensity construction disturbance
- Less expensive (approx. $7.5 million difference)
- Decreases operations and maintenance burden (graffiti/vandalism, drainage)
PROJECT UPDATES

Stakeholder Engagement: 24th/25th Street Alignment

- **ALIGNMENT 1: 25TH STREET**
  - Provides flood protection for playground and park
  - Decreases park visibility from street (reduces safety and visual presence of park)
  - Maintains visual connection between playground and Rec Center
  - Greater limitations on future flexibility of site (tree plantings, park design)
  - Greater limitations on future of E 25th St. (pedestrian experience, adjacent sites)
  - Longer duration of high intensity construction disturbance
  - More expensive (approx. $7.5 million difference)
  - Increases operations and maintenance burden (graffiti/vandalism, drainage)

- **ALIGNMENT 2: 24TH STREET**
  - Flood protection for recreation center and swimming pools only
  - Maintains park visibility from street (promotes safety and visual presence of park)
  - Decreases visual connection between playground and Rec Center
  - More flexibility for site (tree plantings, park design)
  - More flexibility for E 25th St. (pedestrian experience, adjacent sites)
  - Shorter duration of high intensity construction disturbance
  - Less expensive (approx. $7.5 million difference)
  - Decreases operations and maintenance burden (graffiti/vandalism, drainage)
PROJECT UPDATES
Stakeholder Engagement: 24th/25th Street Alignment

ALIGNMENT 1: 25TH STREET
- Provides flood protection for playground and park
- Decreases park visibility from street (reduces safety and visual presence of park)
- Maintains visual connection between playground and Rec Center
- Greater limitations on future flexibility of site (tree plantings, park design)
- Greater limitations on future of E 25th St. (pedestrian experience, adjacent sites)
- Longer duration of high intensity construction disturbance
- More expensive (approx. $7.5 million difference)
- Increases operations and maintenance burden (graffiti/vandalism, drainage)

ALIGNMENT 2: 24TH STREET
- Flood protection for recreation center and swimming pools only
- Maintains park visibility from street (promotes safety and visual presence of park)
- Decreases visual connection between playground and Rec Center
- More flexibility for site (tree plantings, park design)
- More flexibility for E 25th St. (pedestrian experience, adjacent sites)
- Shorter duration of high intensity construction disturbance
- Less expensive (approx. $7.5 million difference)
- Decreases operations and maintenance burden (graffiti/vandalism, drainage)

MOVING FORWARD WITH THE 24TH ST ALIGNMENT

MOVING FORWARD WITH THE 24TH ST ALIGNMENT

PARK INTEGRATION UNDER DEVELOPMENT
PROJECT UPDATES
Stakeholder Engagement: Montgomery Street Tie-Back

**ADDRESSED CONCERNS**
- Corner visibility
- Skateboarding and loitering
- Impact on trees and plants

**DISCUSSED IDEAS**
- Wall design, lighting + safety
- Landscape design opportunities

**ON-GOING CONVERSATION**
- Wall finish & street lighting design
- Landscape design workshop early next year
PROJECT UPDATES

On-going Coordination

**CON EDISON:**
UTILITIES AND FLOOD PROTECTION INTEGRATION
Partnering with Con Edison throughout project for electric infrastructure and flood protection tie-in.

**SOLAR TWO:**
DESIGN INTEGRATION AND PHASING
Solar Two Design Team working closely with ESCR designers to develop construction phasing and seamless design integration.

**VA HOSPITAL:**
FLOOD PROTECTION INTEGRATION
Regular project coordination check-ins with VA Medical Center for flood protection tie-in.

**PIER 42:**
DESIGN AND CONSTRUCTION PHASING
Coordinating with NYC Parks and EDC on design and construction phasing for Pier 42 Phase 1A (Pier shed demolition - Late 2017 to Early 2018) & Phase 1B (Upland Park - Mid 2018 to Early/Mid 2020).

**LES ECOLOGY CENTER:**
COMPOST FACILITY AND WETLAND PROJECT
Working with NYC Parks and LESEC to ensure coordinated design approach. (Construction from Fall 2018 to Fall 2019)
PROJECT UPDATES
On-going Field Work

- Geotechnical borings: Investigating subsurface conditions to refine design and costs
  - Flood protection foundations
  - Pedestrian bridges foundations
  - Sewer & drainage infrastructure
  - FDR Drive
PROJECT UPDATES

Interior Drainage Analysis

**TANK REMOVAL**
Tank removed from project due to complexity of challenges and increasing costs

**ALTERNATIVE SOLUTIONS**
Currently evaluating alternatives that meet project objectives but are less disruptive and more cost effective
PROJECT UPDATES
Interior Drainage Analysis

PARALLEL CONVEYANCE SYSTEM
A parallel conveyance (PC) system (new sewer lines to provide additional capacity) is currently being explored.

CURRENTLY INVESTIGATING LOCATIONS
The team is currently investigating the appropriate locations and sizes of PCs.

ACTIVATED DURING STORM EVENT
The PC system will be activated simultaneously with the flood protection system during a large storm event.
PROJECT UPDATES
Action Plan Amendment approved by HUD

• Published online March 24th, 2017

• Received public comments (oral and written)

• City responded to comments and submitted to HUD on May 12, 2017

• HUD approved Action Plan Amendment on July 14, 2017

1. Project Overview
2. Project Updates
3. Next Steps
ESCR NEXT STEPS
Anticipated 2018 Schedule

- **DESIGN**
  - MASS MAILING 1 (40% DESIGN)
    - February 2018
  - CB3 / CB6 MEETINGS
    - February 2018
  - COMMUNITY ENGAGEMENT MEETINGS
    - April 2018
  - PDC PRESENTATION
    - March 2018
  - MASS MAILING 2 (75% DESIGN)
    - June 2018
  - CB3 / CB6 MEETINGS
    - June / July 2018
  - PDC FINAL DESIGN PRESENTATION
    - August 2018

- **ENVIRONMENTAL**
  - DRAFT EIS FINAL SCOPE OF WORK ISSUED
    - February 2018
  - DRAFT EIS PUBLISHED
    - June 2018

- **ULURP**
  - PREPARATION & SUBMISSION
    - Winter 2018
    - Spring 2018
    - Summer 2018
  - COMMUNITY BOARD REVIEW
    - June / July 2018
  - BORO PRESIDENT REVIEW
    - August 2018
ESCR NEXT STEPS
Anticipated 2018-2019 Schedule

DESIGN

FINAL DESIGN & CONTRACTING PROCESS

CPC ULURP / DRAFT EIS PUBLIC HEARING OCTOBER 2018

ENVIRONMENTAL REVIEW

CPC ULURP / DRAFT EIS PUBLIC HEARING OCTOBER 2018

COMMUNITY & TECHNICAL REVIEWS

FALL 2018

GROUND BREAKING
SPRING 2019
Visit Us!
www.nyc.gov/escr

E-Mail: nycresiliency@cityhall.nyc.gov
Twitter: @NYClimate