

**#ONENYC**



**EAST SIDE COASTAL RESILIENCY**  
**CB3/CB6 Task Force Meeting**  
**May 23, 2016**

# MEETING GOALS

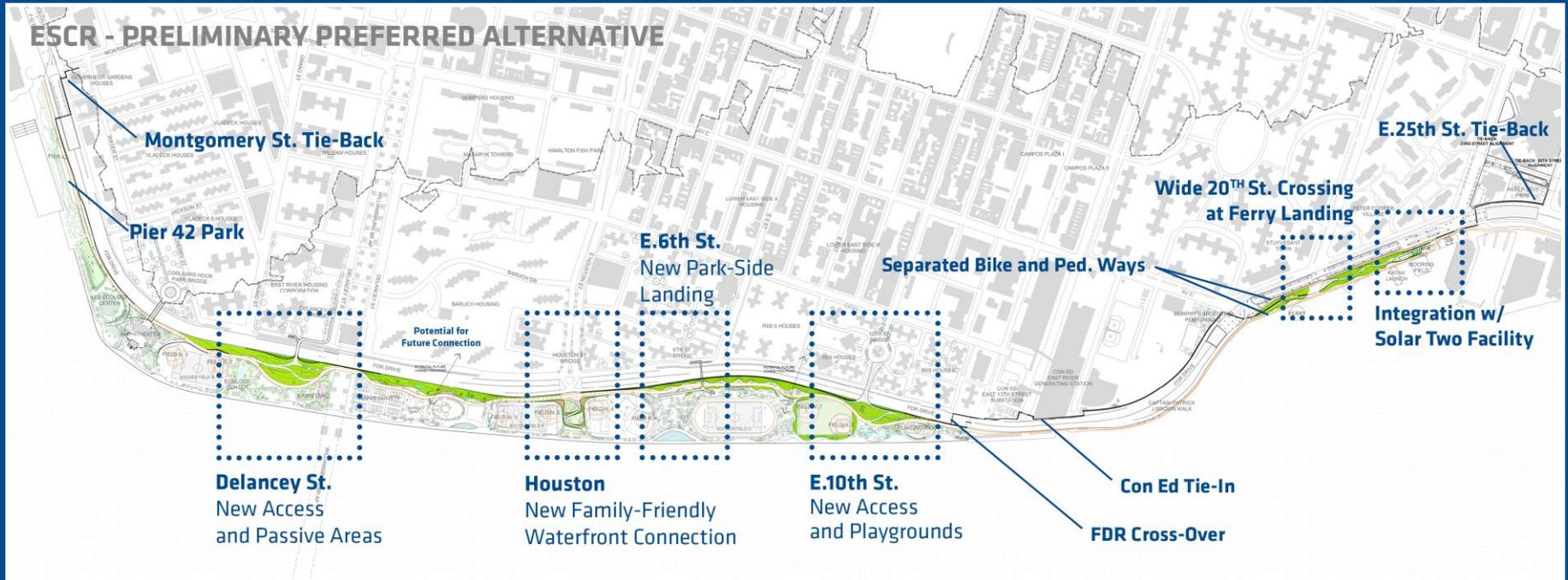
- Review Project Goals
- Review Preliminary Preferred Alternative
- What Have We Been Up To?
- What's Next?
  - Refine and Advance Design
  - Continued Community Engagement
  - EIS and ULURP Process
- Lower Manhattan Coastal Resiliency Project Updates
- Questions/Comments

# EAST SIDE COASTAL RESILIENCY 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 PRELIMINARY PREFERRED ALTERNATIVE



# EAST SIDE COASTAL RESILIENCY

## WHAT HAVE WE BEEN UP TO?

Since Fall/Winter:

- Stakeholder meetings
- Procuring final design team
- Addressing comments on Draft Scope of Work
- Evaluating alternatives
- Developing draft EIS and permit applications
- Continuing to identify additional funding

# WHAT'S NEXT? - DESIGN

DECEMBER  
2014

DECEMBER  
2015

JUNE  
2017



## INPUTS:

- COMMUNITY PRIORITIES
- CITY PRIORITIES
- SITE CONDITIONS
- TECHNICAL FEASIBILITY
- URBAN DESIGN

## CONTINUED INPUTS:

- REGULATORY CONSTRAINTS
- AGENCY COORDINATION
- MAINTENANCE
- TECHNICAL CONSIDERATIONS
- COMMUNITY FEEDBACK
- TRADE-OFFS AND BUDGET
- OPERATIONS AND EMERGENCY MANAGEMENT

# WHAT'S NEXT? - DESIGN

## Refine the Conceptual Design



Flood Protection Design



Parks Improvements & Resiliency Measures

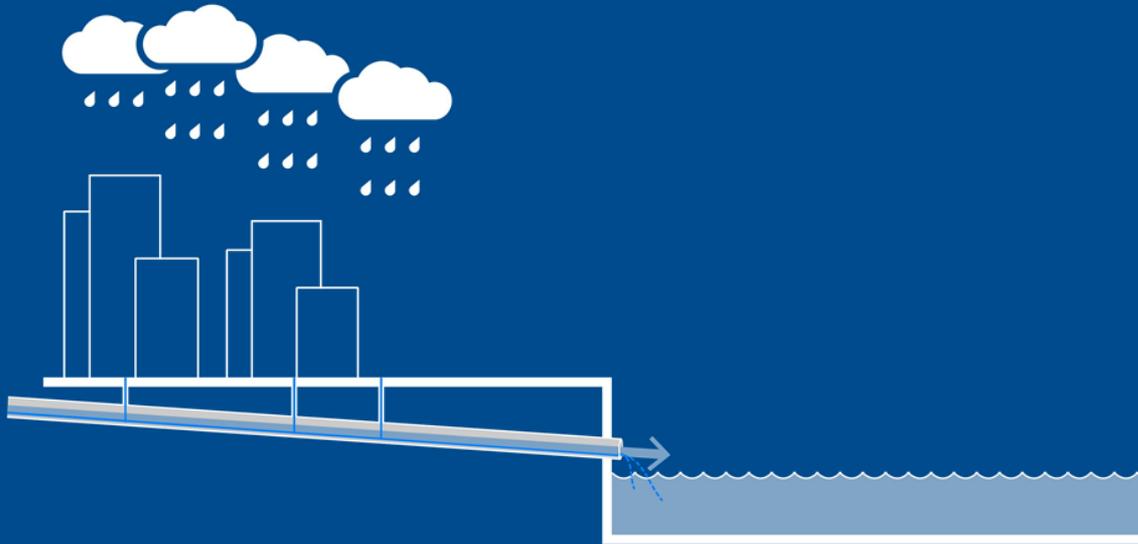


Pedestrian Bridge & Access Improvements



Interior Drainage Management

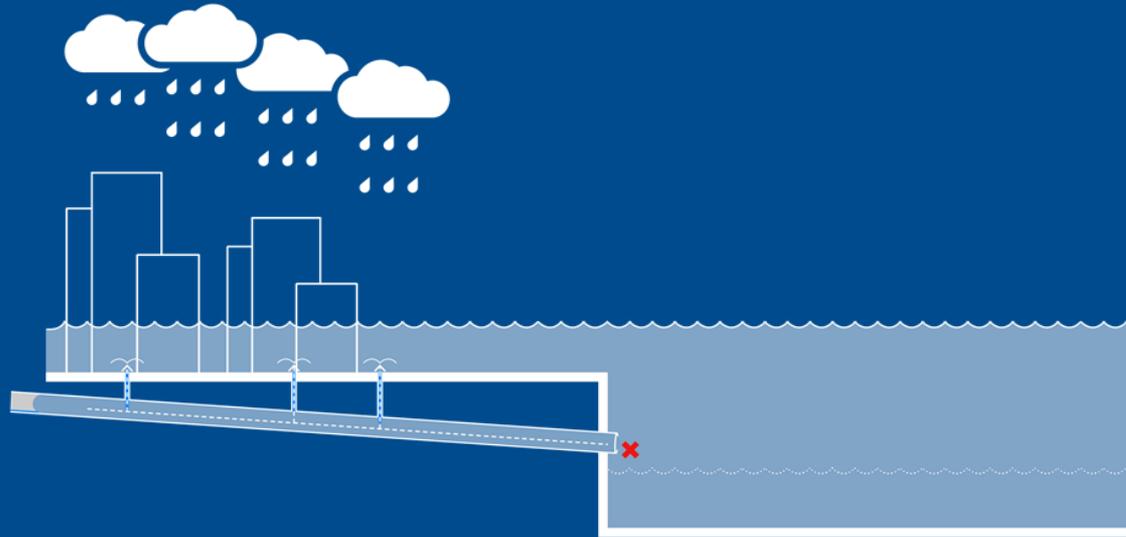
# COASTAL PROTECTION AND INTERIOR DRAINAGE MANAGEMENT



**CURRENT CONDITIONS:**

**DURING A HEAVY PRECIPITATION EVENT**

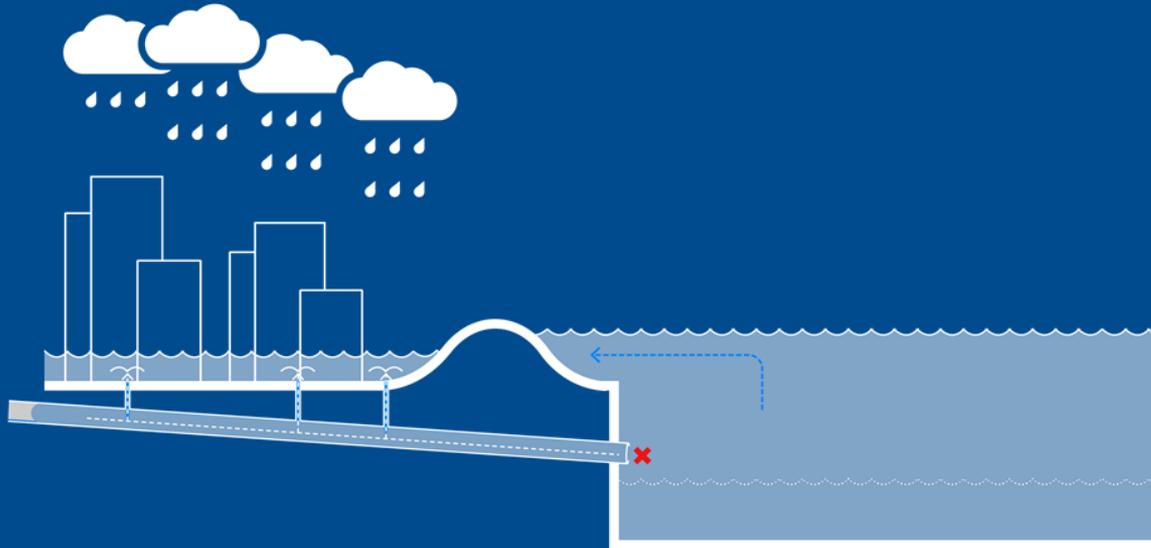
# COASTAL PROTECTION AND INTERIOR DRAINAGE MANAGEMENT



**STORM EVENT WITHOUT COASTAL PROTECTION:**

**POTENTIAL FOR FLOODING FROM BOTH  
STORM SURGE AND PRECIPITATION**

# COASTAL PROTECTION AND INTERIOR DRAINAGE MANAGEMENT



**STORM EVENT WITH COASTAL PROTECTION:**

**INLAND FLOODING THAT NEEDS TO BE MANAGED:  
EVALUATING BOTH PUMPING AND STORAGE ALTERNATIVES**

# 2015 COMMUNITY ENGAGEMENT RECAP

CONCEPT  
DESIGN  
START

CONCEPT  
DESIGN  
COMPLETION

DECEMBER 2014 JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DECEMBER 2015

Background Research & Studies

Design Concept Studies & Workshops

Design Concept Reports

Stakeholder Meetings

Task Force Meetings



**How Do You Use the Waterfront?**  
Re-Engagement Meetings (March)

**What Are the Options?**  
Workshops (May)

**How Do We Combine Options?**  
Workshops (July)

**Final Concept Design: Input and Feedback**  
Community Meetings/Workshops (October)

Community Engagement Meetings

EAST SIDE COASTAL RESILIENCY

# WHAT'S NEXT? - COMMUNITY ENGAGEMENT

## Focused Stakeholder Meetings *(starting in mid-June 2016)*

- Montgomery Street Tie-Back
  - Safety/visibility concerns
  - Aesthetic design concerns
- East 25th Street Tie-Back
  - Safety/visibility/circulation concerns
  - Aesthetic design concerns
- Delancey Street/Grand Street Access
  - Proposed newly aligned bridge and landings
  - Effects on views
  - Grand Street ramp/stair
- Park Programming Scope Meetings
  - Murphy's Brother's Playground
  - Asser Levy Recreation Center

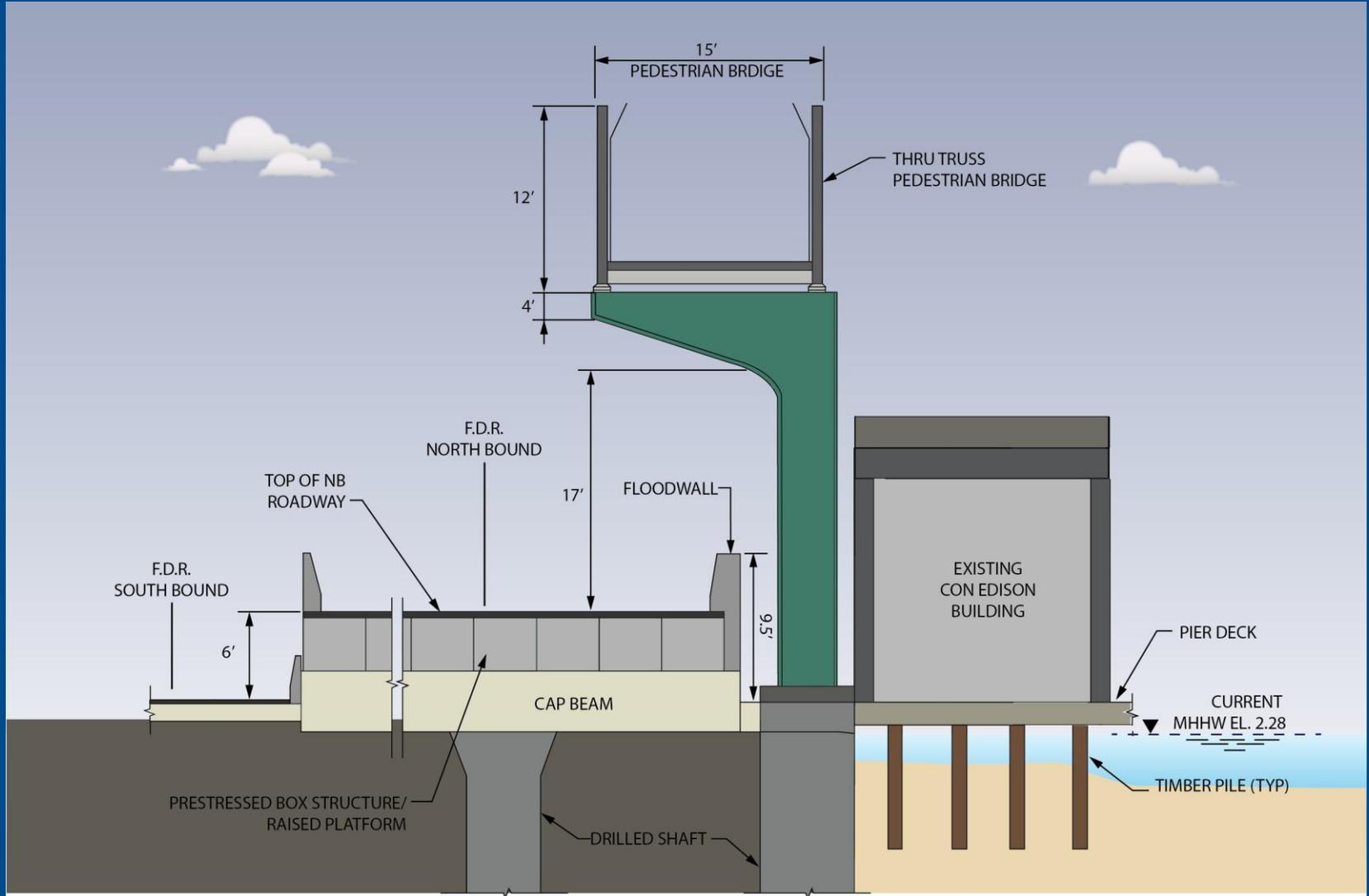
# WHAT'S NEXT? - COMMUNITY ENGAGEMENT

- **Community Engagement Meetings**  
*(One set of meetings - Project Area One South, Project Area One North, Project Area Two - approximately every 6 months)*
  - Project overview
  - Review designs
  - Gain community feedback on designs
  - First set of engagement meetings – Fall 2016
  
- **Task Force Meetings**  
*(quarterly and open to the public)*
  - Tentatively July or September 2016, November 2016, February 2017, May 2017, July 2017

# WHAT'S NEXT? - ULURP AND EIS PROCESS

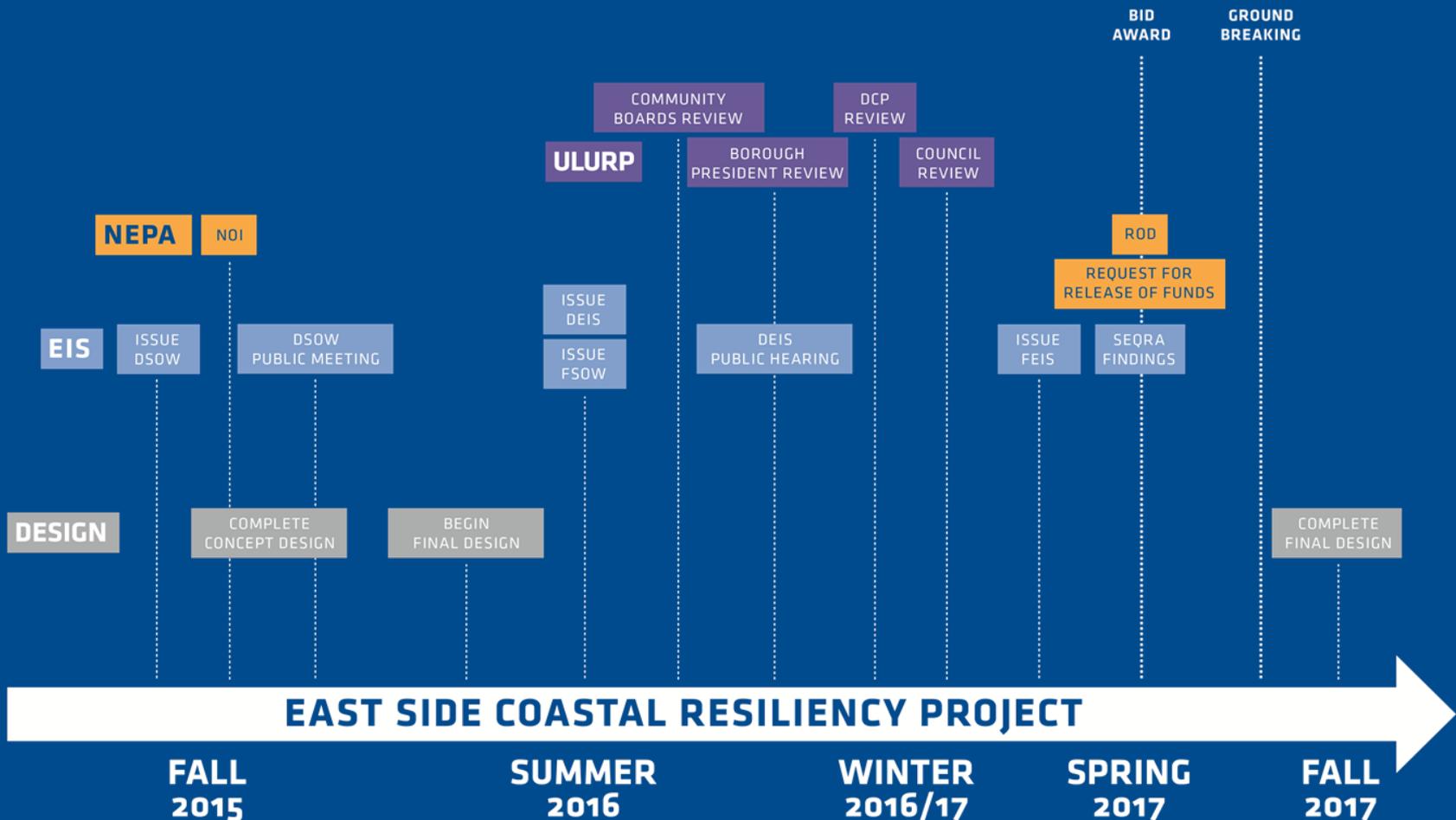
- ULURP Application Preparation Underway
- EIS Draft Scope of Work (DSOW) Issued on 10/30/15
- EIS/ULURP Application Preparation Underway
- 3 Alternatives in DSOW
  - Alternative 1 – No Action
  - Alternative 2 – Baseline Flood Protection System
  - Alternative 3 – Flood Protection System with Park and Neighborhood Connection Improvements
- 2 Additional Alternatives since DSOW
  - Alternative 4 – Flood Protection System with Integrated Park Facility Resiliency Measures
  - Alternative 5 – Flood Protection Alignment East of FDR Drive with Flyover Bridge Alternative

# ALTERNATIVE 5 - RAISED FDR DRIVE / PEDESTRIAN FLYOVER BRIDGE CROSS-SECTION



\*Based on Preliminary Design Concepts

# UPDATED PROJECT SCHEDULE



# LOWER MANHATTAN COASTAL RESILIENCY UPDATES

## East Side Coastal Resiliency

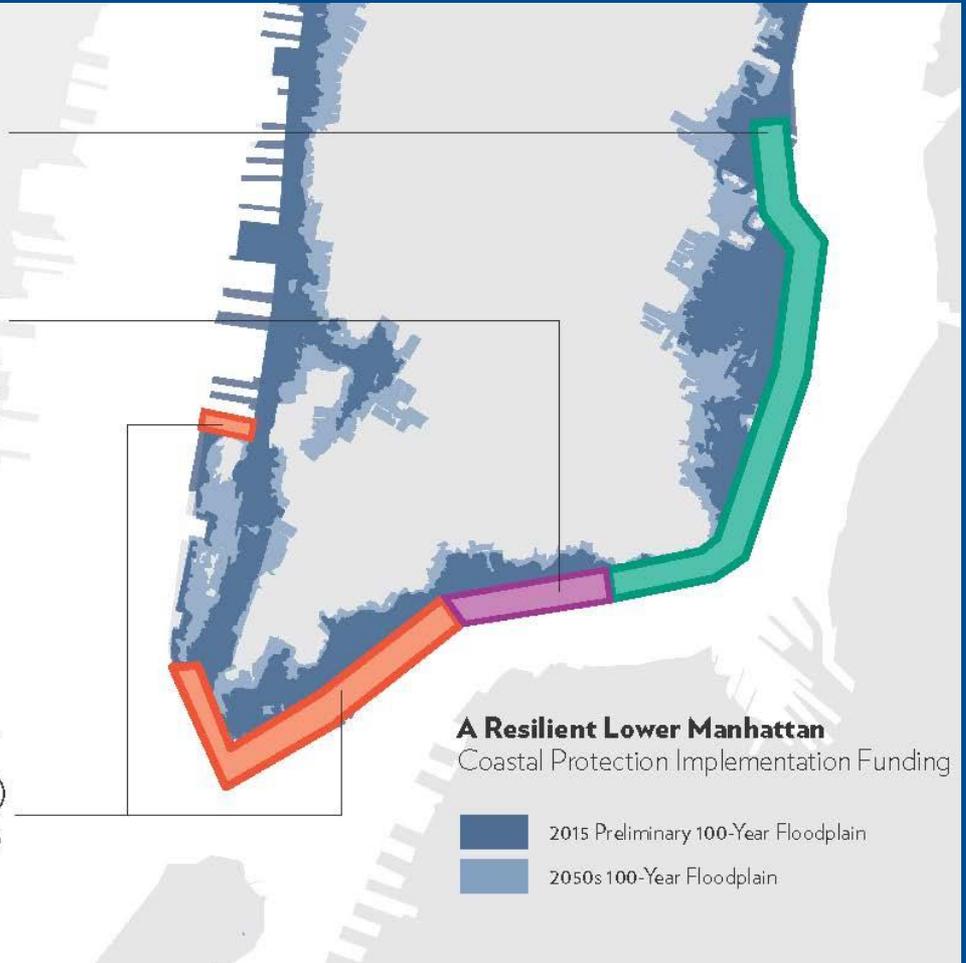
Funding Secured: \$335 million (CDBG-DR)  
\$170 million (City Capital)  
*Project Budget: \$505 million*

## Two Bridges Coastal Resiliency

Funding Secured: \$176 million (CDBG-NDR)  
\$27 million (City Capital)  
*Project Budget: \$203 million*

## Lower Manhattan Resiliency

Funding Secured: \$108 million (City Capital)  
*Project Budget: TBD*



Rev. May 20, 2016

# **QUESTIONS AND ANSWERS/ DISCUSSION**