







# **AGENDA**

- Rebuild By Design Hudson River project history
- Northern Work Zones
- 15th Street and Garden Street Construction Work
- Traffic Mitigation and Strategies
- Traffic Maps
- Communications



# REBUILD BY DESIGN COMMUNITY MEETING

## Change your settings/Communicate with the host

To communicate with the meeting host select the "Q&A" function

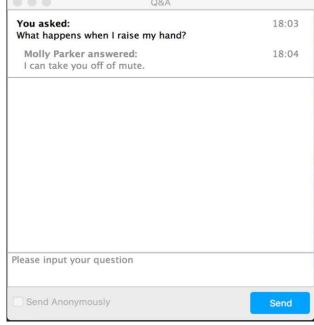
Questions will be answered at the end of the presentation

Check or change your audio settings:

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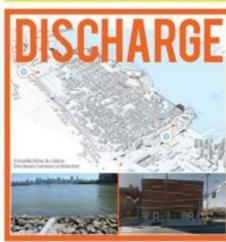


# **REBUILD BY DESIGN — HUDSON RIVER PROJECT**





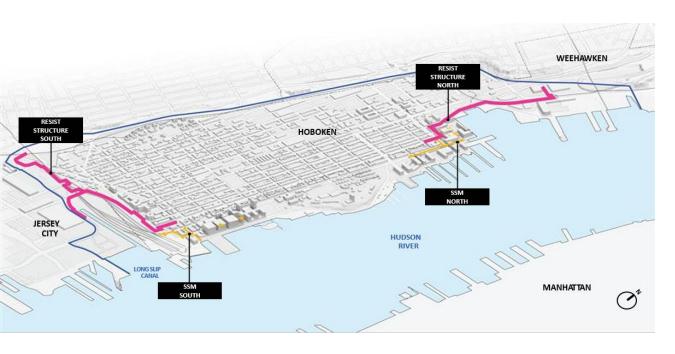




# **Resist** – **Delay** – **Store** – **Discharge:**

Combined coastal and rainfall flood risk reduction.

# **REBUILD BY DESIGN — RESIST ALIGNMENT**



#### WHAT:

Installing a floodwall with flood gates and integrating a resiliency park, along with other urban amenities

#### WHERE:

Northern Hoboken/Southern Weehawken — from 13<sup>th</sup> St and Washington St to Lincoln Harbor Rd

Northern Jersey City/Southern Hoboken from Hoboken Ave/Coles St to Newark St and Washington St

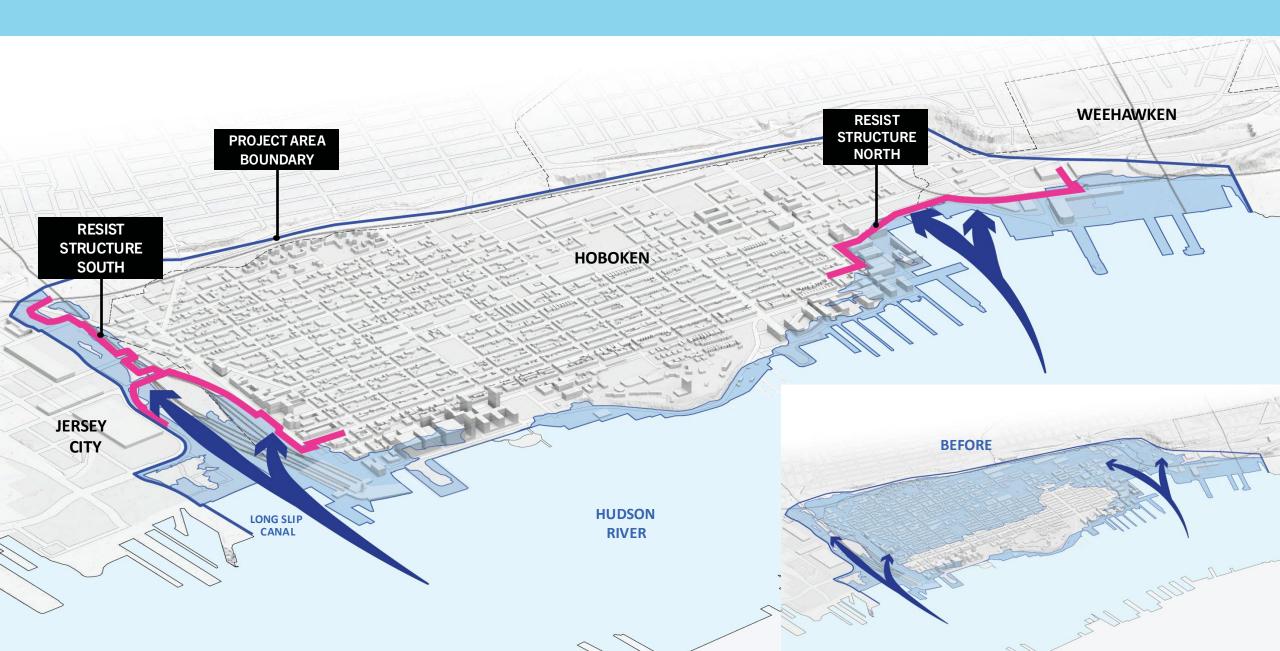
#### WHY:

To achieve greater resilience against storm surge through the Rebuild by Design Hudson River project

#### WHEN:

Now through Summer 2027

# **REBUILD BY DESIGN — RESIST ALIGNMENT PURPOSE**



# **REBUILD BY DESIGN — RESIST ALIGNMENT TIMELINE**

RBD Competition

2013

Completed Feasibility/EIS Begin Design

2017

SSM Construction Completion

2022

Resist Construction Complete

2027



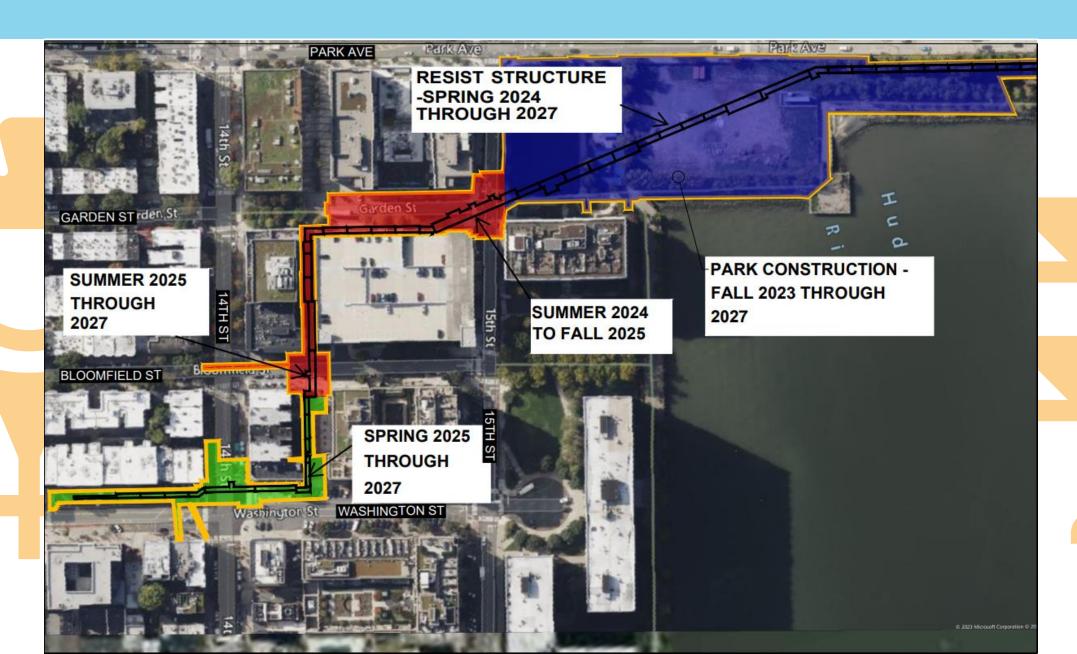
Feasibility Study for Environmental Impact Statement (EIS) 2021

Sewer Separation
Modification
(SSM) Construction
Start

2023

Resist Construction Start

# NORTHERN RESIST STRUCTURE CONSTRUCTION



# **PLANNED 15TH STREET ROAD CLOSURE**

#### Planned Road Closures: What's Happening and Why

This multi-phase construction plan was developed in **three stages** to considering safety, efficiency, and long-term durability

#### **Closure 1: Initial Work - Completed - 4.5 Months**

- Subsurface Investigations
- Subsurface Utility Relocations
- Micropile Installations
- Drainage Infrastructure Installation

### Closure 2: Current Phase - Start July 7th, Approx 4 Months

- Building the Foundation and Rail System
- Subsurface Utility Work

#### Closure 3: To be Scheduled

Final Restoration and Amenities



## 15TH AND GARDEN STREET WORK



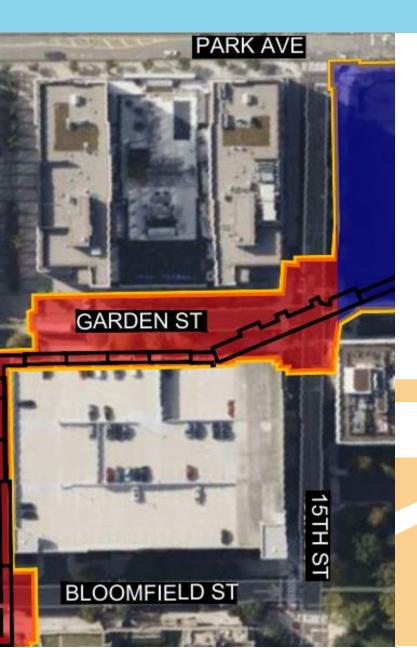
Full Closure of 15th Street and Garden Street (Between 14th and 15th Streets) to all Bicycles, Pedestrians and Vehicles

Western Sidewalk on Garden Street and Southern Sidewalk on 15th Between Park Avenue and Garden Street to Remain Open at all Times

#### Anticipated Work:

- Excavate for Resist Structure Gate Concrete Foundation Slab
- PSE&G Gas Utility Relocation (Park Avenue Nighttime)
- Pour Resist Structure Gate Concrete Monolithic Foundation Slab
- Install Gate Rails
- Install new Concrete Curbs and Sidewalks
- Pave Roadway and Install Pavement Markings

# **ROAD CLOSURE CONSIDERATIONS**



#### Open One Lane of Traffic (Either East / Westbound) During Work

- Foundation and Gate Rails System need to be Installed at the Same Time
- Road Foundation Requires a Monolithic Concrete Installation
- Rail System Specifies a Tolerance of 1/32" and Requires Extensive Installation and Uninterrupted Run of Track

#### Reopen Roads at the End of Each Workday

- Due to Extensive Foundation Width, it is not Safe to Cover / Steel Plate
   Roads at the end of each Workday and Reopen to Public
- Concrete Foundation Needs Time to Cure
- Steel Plating each day Reduces Construction Productivity and Extends
   Duration of Work

#### Need to work within Constricted Calendar Schedules (e.g., Summer Only)

 Overall Construction for the Project would Increase, and Extend Impact Duration

# 15TH AND GARDEN STREET WORK SCHEDULE



**Current Phase Full Closure to be Approximately 4 Months Potential for Schedule Compression** 

Multi Shift Construction Crews / Night Work / Weekend Work

**Extended Work Hours Would Generally Consist of:** 

- Excavation, Form Work, and Rebar Installation
- Portions of Gate Installation
- Restoration of Roadways and Sidewalks

**Estimated Potential Time Savings of up to 12 days** 

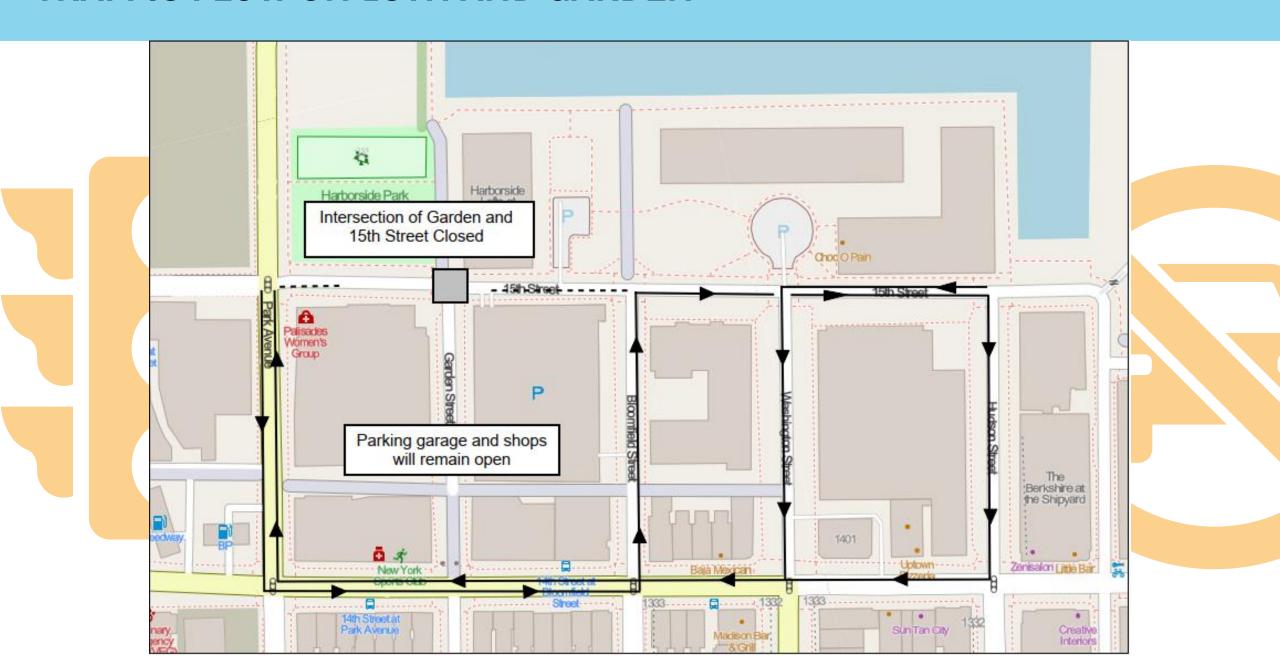
Need Approval from Hoboken for Extended Work Hours

Will Communicate Next Steps after this Phase is Complete

Temporary Emergency Access will be Maintained via 14th and Garden Streets as Coordinated with Hoboken Fire Department

Sidewalk Access Available at Garden West, 15th South btw Park and Garden & 15th btw Garden and Bloomfield

# **TRAFFIC FLOW ON 15TH AND GARDEN**



# **PLANNED 15TH STREET ROAD CLOSURE**

#### **Traffic Signal Timing Changes at up to 11 area Intersections:**

- 16th and Willow Avenue/Park Avenue/Harbor Blvd.
- 15th and Willow Avenue/Park Avenue
- 14th and Willow Avenue/Park Avenue/Garden Street/Bloomfield Street/Washington Street/Hudson Street
- 13th and Willow Avenue

#### **Up to 3 Portable Variable Message Signs in Advance of and During the Detour:**

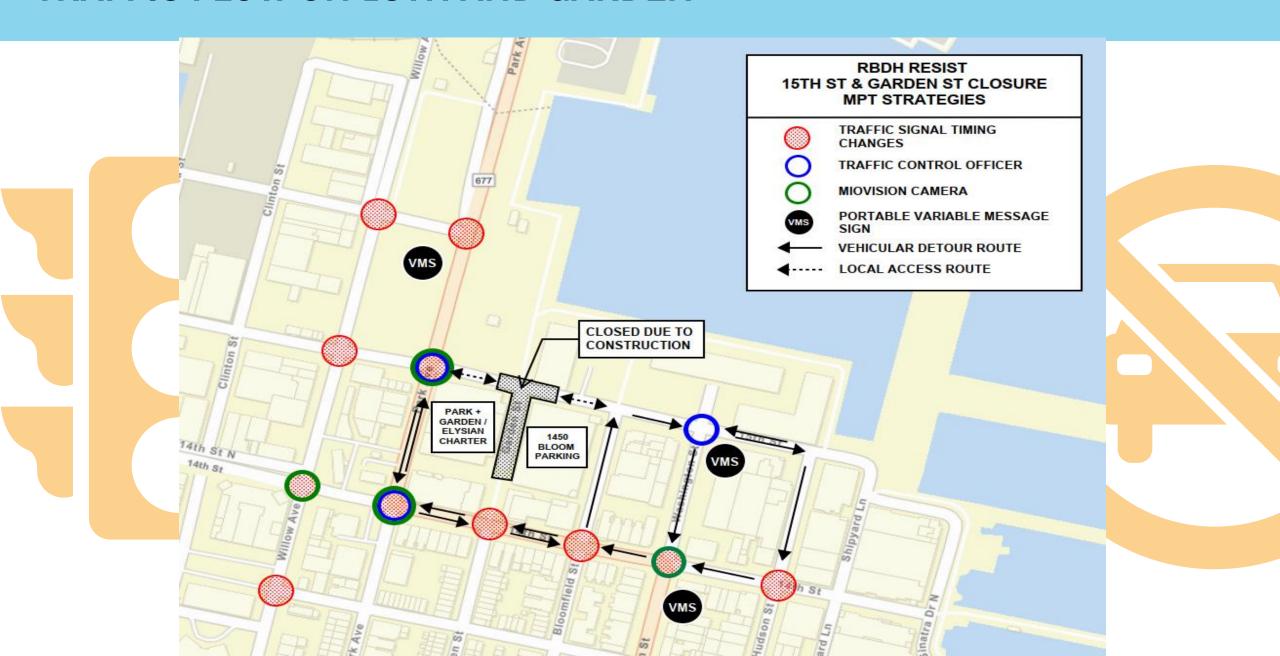
- Park Avenue Between 15th and 16th Street
- Washington Street and 14th Street/15th Street

#### 3 Police Officers Directing Traffic as Needed:

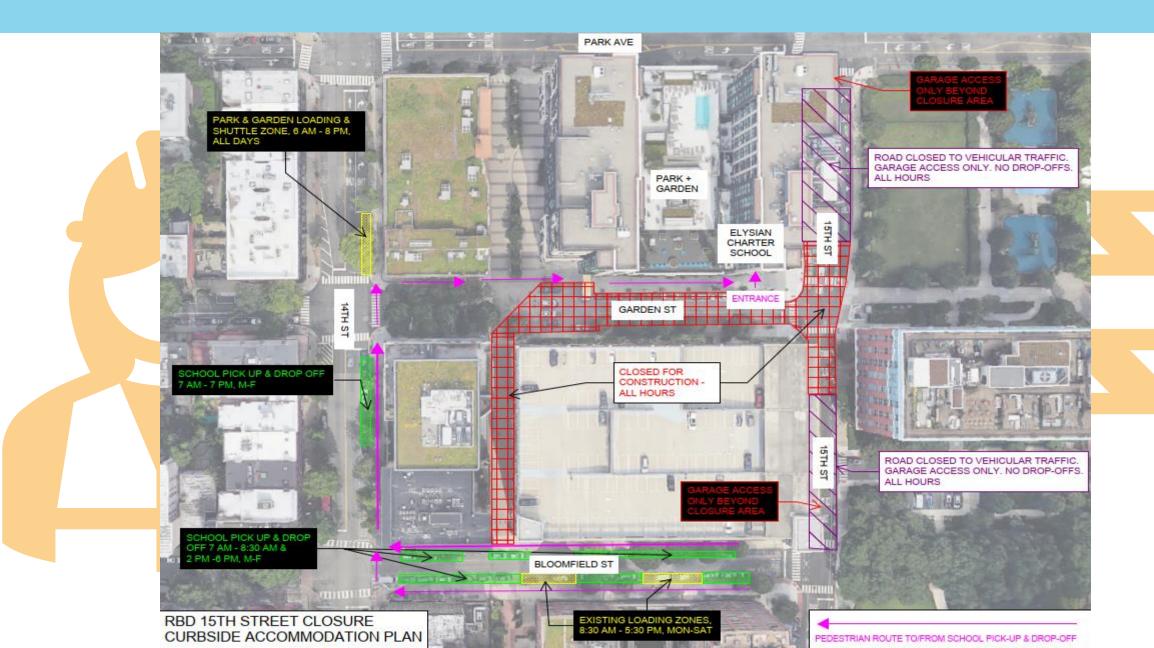
- 14th Street /Park Avenue
- Park Avenue/Washington Street/Willow Avenue
- 15th Street/Park Avenue/Washington Street

#### Install up to 4 new Miovision Cameras at 15th Street and Park Avenue

# TRAFFIC FLOW ON 15TH AND GARDEN



# **GARDEN STREET CURBSIDE ENTRANCES**



# 15TH STREET AND GARDEN STREET RECAP

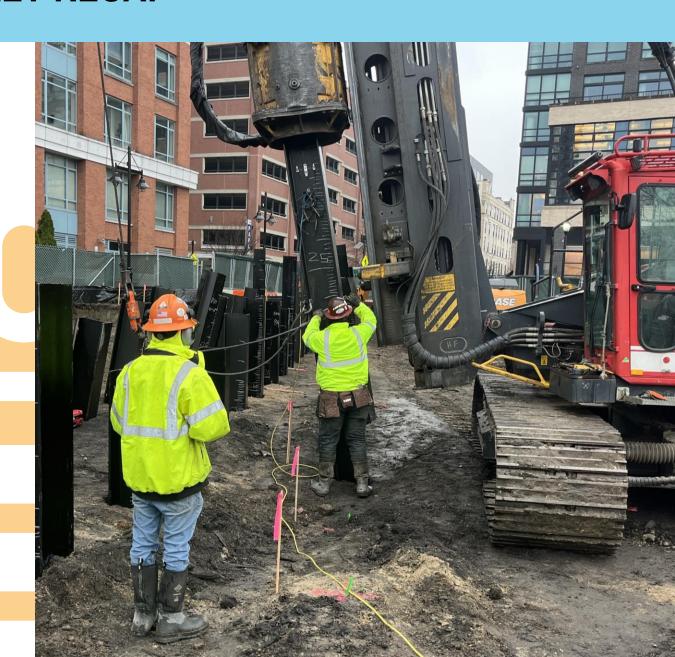
4-Month Full Closure of 15th Street and Garden Street

Western Sidewalk on Garden Street and Southern Sidewalk on 15th Between Park Ave and Garden Street to Remain Open at all Times

Next Phase is Installation of Final Amenities

– will Require Another Closure

City and RBDH team will host Public Project Design and Amenities Meeting with purpose to update community on final product



## REBUILD BY DESIGN COMMUNITY MEETING

#### Visit our website:

https://dep.nj.gov/floodresilience/rebuild-by-design-hudson-river/

#### **How to stay informed:**

- City of Hoboken construction updates: <u>https://www.hobokennj.gov/hoboken-construction-updates</u>
- Sign up for RBDH weekly community construction advisories <a href="https://public.govdelivery.com/accounts/NJDEP/subscriber/new?topic\_id=NJDEP\_299">https://public.govdelivery.com/accounts/NJDEP/subscriber/new?topic\_id=NJDEP\_299</a>

**Questions?** please contact your **Community Construction Liaison** (CCL):

 Isabella Brascetta | 1-800-252-0219 | rbdhinquiries@portal3.pbid.com

#### **Hoboken Contact:**

Caleb Stratton, Chief Resilience Officer, CStratton@hobokennj.gov

# NJDEP website QR Code



# Advisories QR Code

