# Automated Flood Warning System: Informational Meeting

Wednesday, November 9, 2022

6:00 PM – 7:00 PM

http://www.hobokennj.gov/flood-warning-system-meeting

HOBOKEN

# Housekeeping Items

Use Q&A box to ask all questions during the presentation

All participants will be muted until Q&A

The meeting will be recorded if questions need to be addressed later

HOBOKEN

# Agenda

- Flooding from Intense Rainfall Events
- Need for Flood Warning System
- Overview of the Automated Flood Warning System
- Benefits of the System
- Proposed Locations
- Q & A

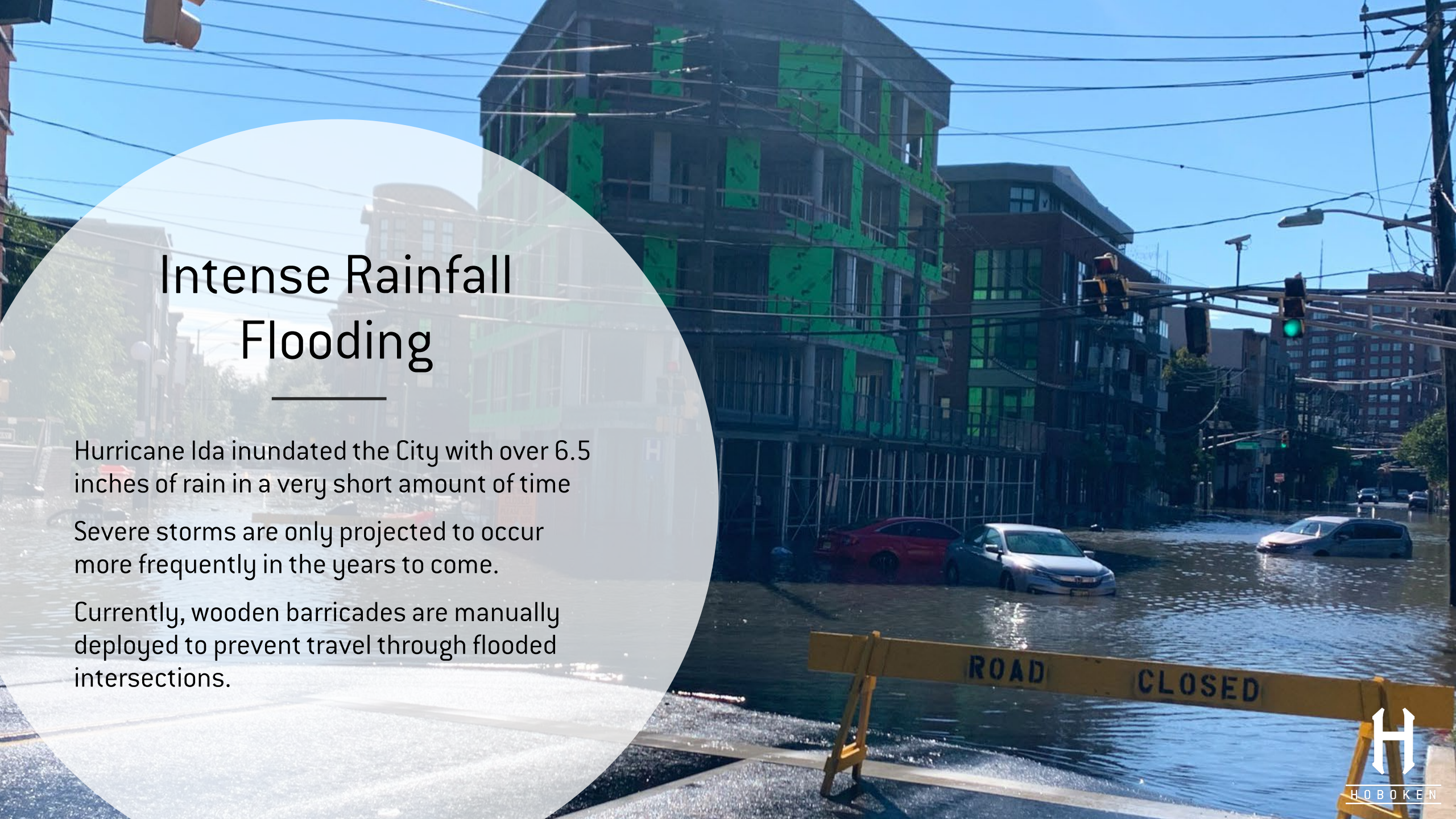
HOBOKEN

# Intense Rainfall Flooding

Hurricane Ida inundated the City with over 6.5 inches of rain in a very short amount of time

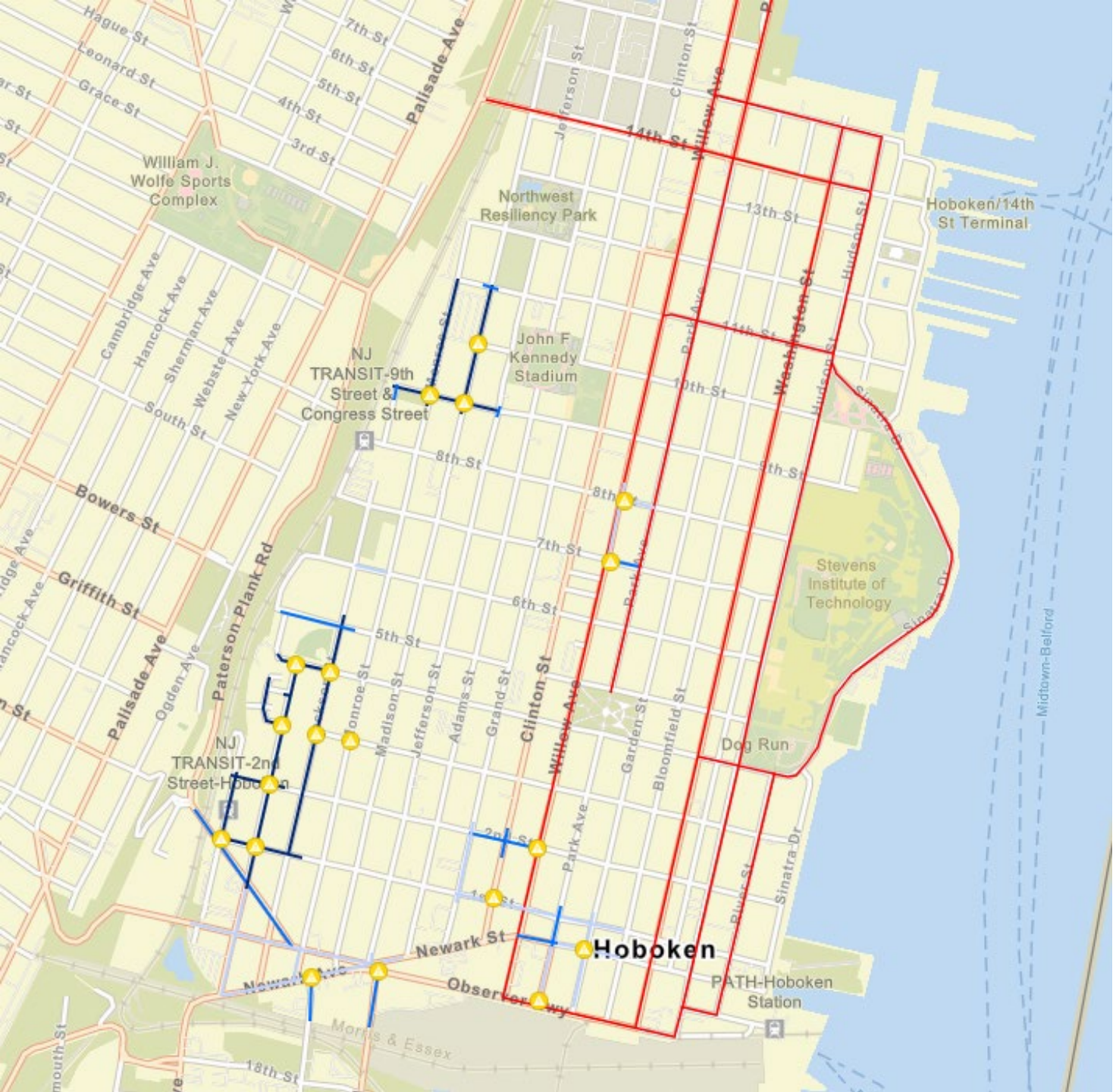
Severe storms are only projected to occur more frequently in the years to come.

Currently, wooden barricades are manually deployed to prevent travel through flooded intersections.




HOBOKEN

# Flood Prone Roadways




Legend

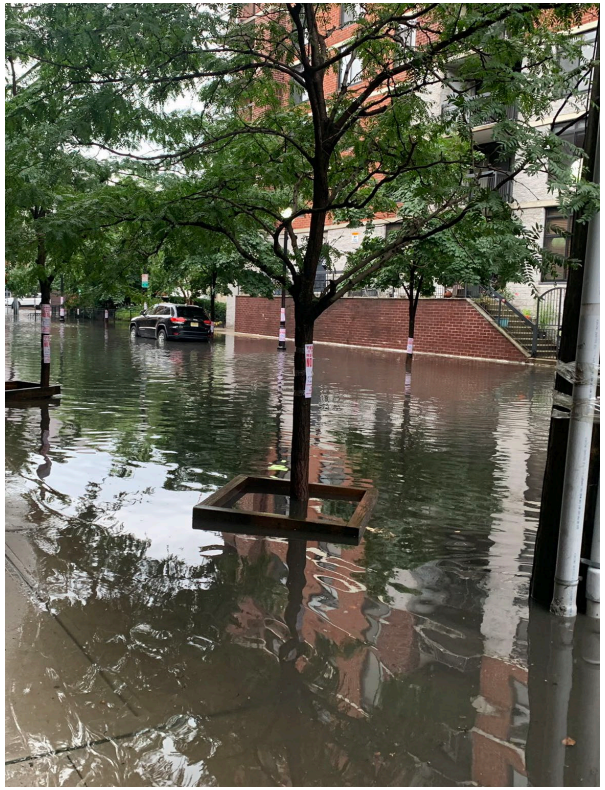
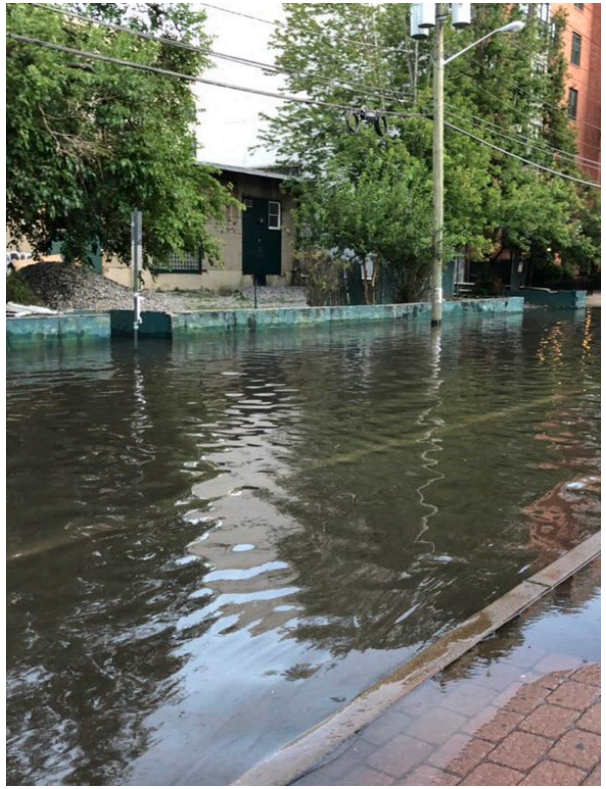
**Barricades Currently Placed before Intense Rainfall**

**Roadways Prone to Flooding during Intense Rainfall**

- Very likely
- Likely
- Somewhat likely

**Evacuation Routes**

HOBOKEN

# Flooding During Intense Rain Events

HOBOKEN

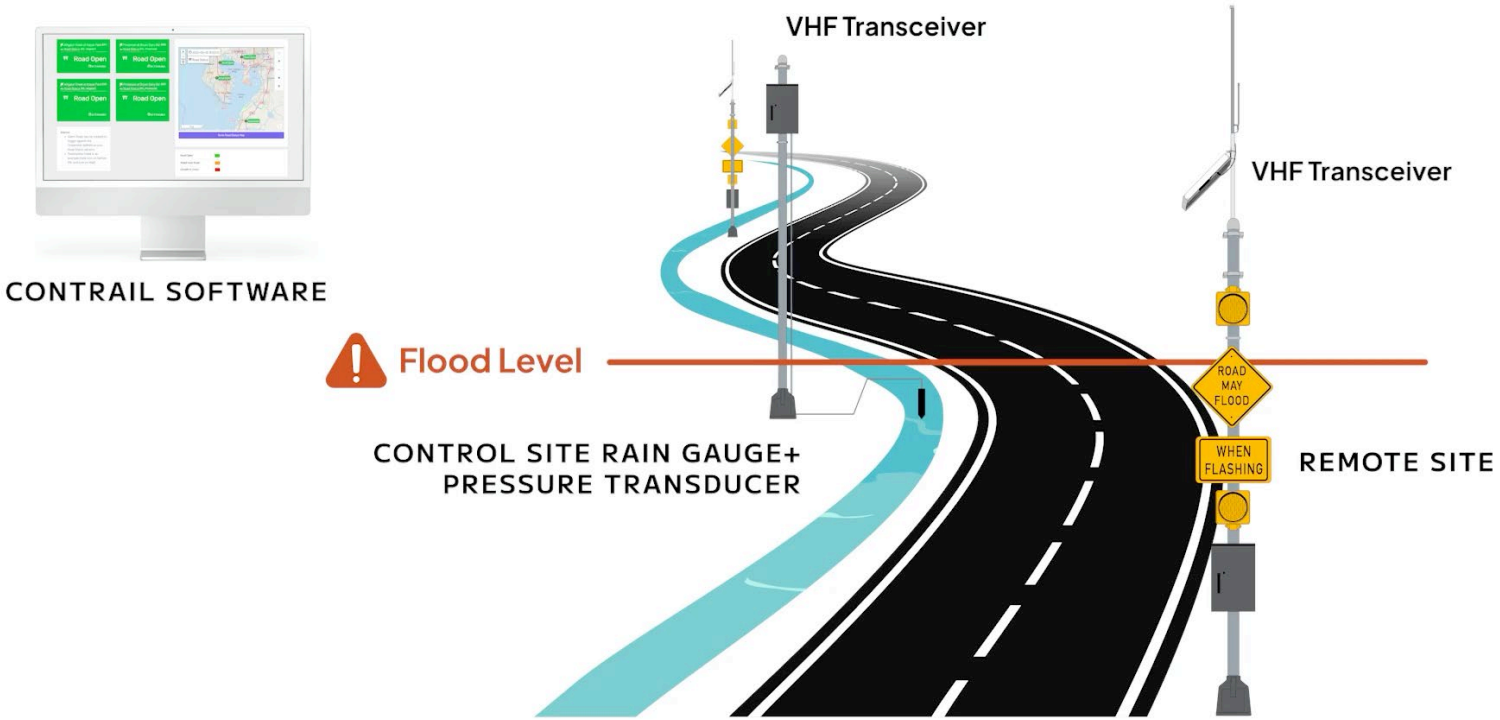
# Automated Flood Warning System

- City will install an automated flood warning system at some of the most flood-prone intersections in western Hoboken, this Winter 2022-23.
- The Automated Flood Warning System will safely close flooded roadways to prevent injury and property damage exacerbated by those driving through floodwaters.
- The automated barricades and associated warning signage will be solar-powered and activated by real-time flood monitoring sensors.
- The system will include:
  - 5 master gauging stations (sensors);
  - 11 corresponding remotes with warning signs, flashing beacons or barricades; and
  - 1 base station at City Hall.

Source: AEM

HOBOKEN

# How the Automated Flood Warning System Works




Source: AEM

HOBOKEN

# Benefits of the Automated Flood Warning System

- Provides immediate response during flood emergency (motorists and pedestrians are warned immediately of danger)
- Improves public safety for first responders and community during flood emergency response operations
- Emergency management personnel are notified in real time of flooding and road closures

Source: AEM

HOBOKEN

# Proposed Intersection Locations

Site #1 – Newark Street & Park Avenue

Site #2 – 2nd Street & Clinton Street

Site #3 – 1st Street & Harrison Street

Site #4 – 4th Street & Jackson

Site # 5 – City Hall (Base)

HOBOKEN

# Q & A

Visit webpage here:
https://www.hobokennj.gov/resources/flood-warning-system

HOBOKEN

# Contact Information

**Caleb Stratton, AICP, PP, CFM**
Assistant Business Administrator & Chief Resiliency Officer
cstratton@hobokennj.gov

**Jennifer Gonzalez, AICP, PP, CFM, LEED GA**
Director of Environmental Services & Chief Sustainability Officer
jgonzalez@hobokennj.gov

**Yasmine Pessar, ENV SP, WEDG**
Environmental Planner & Project Manager
ypessar@hobokennj.gov

**Sergeant William Montanez**
Office of Emergency Management Coordinator
montanezw@hobokenpdnj.gov

**Ken Ferrante**
Director of Public Safety
kferrante@hobokennj.gov

HOBOKEN