



Rebuild By Design - Hudson River

[Home](#) / **Rebuild By Design Hudson River**



Rebuild By Design (RBD) takes a multi-faceted approach to improve physical, ecological, economic, and social resiliency. It was initiated by the United States Department of Housing and Urban Development (HUD) in 2013 in response to Superstorm Sandy. Two RBD projects are ongoing in New Jersey: [Rebuild By Design Meadowlands](#) and Rebuild By Design Hudson River.

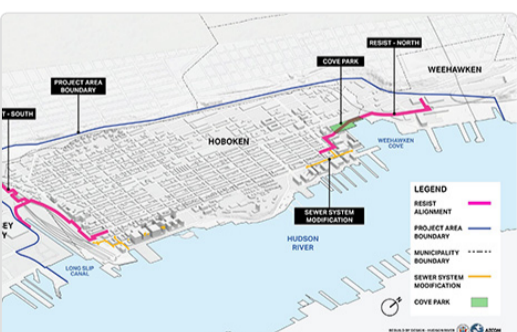
RBD Hudson River (RBDH) will be built throughout the City of Hoboken, and will extend into Weehawken and Jersey City, with the following approximate boundaries: the Hudson River to the east; Baldwin Avenue (in Weehawken) to the north; the Palisades to the west; and 18th Street, Washington Boulevard and 14th Street (in Jersey City) to the south. The goal of the RBDH project will be to address flooding from major storm surges and high tides as well as from heavy rainfall events.

Current Construction Status:

The Sewer Separation Modification (SSM) contract was the first phase of the Rebuild By Design Hudson River (RBDH) Project. The SSM contract was awarded in January 2021 and was completed in July 2022 for approximately \$7M in construction costs. The SSM contract separated portions of the Combined Sewer Outfall system in Hoboken to ensure that water from a storm surge event will not be able to surcharge under the Resist structure once it's constructed. SSM work included sealing over 100 existing manholes, as well as the installation of: over 30 additional manholes, 40 catch basins, over 4,000 linear feet of stormwater pipe, and 8 water quality units to remove solids and suspended solids prior to the storm water entering the Hudson River.

The Resist contract is the second phase of the RBDH project and construction will start in 2023.. The Resist contract area is defined by two distinct locations. The first is the North work zone, which encompasses northern Hoboken and parts of Weehawken; the second is the South work zone, which is comprised of southern Hoboken and parts of Jersey City. Some of the major components to be completed as part of the SSM contract are listed in the following bullets:

- Constructing over 9,000 linear feet of varying height reinforced concrete floodwalls
- Installing 28 floodgates including rolling floodgates, swinging flood gates, and stoplog barriers.
- Incorporating urban landscape architectural elements affixed or adjacent to the floodwall, such as seating, planters, lighting, educational signs, etc.
- Improving Harborside Park (to be renamed Cove Park)



[Project Overview](#)

Learn more about RBD overall and the RBD Hudson River project.

[Learn More](#)



[Meetings & Updates](#)

Stay informed about construction and public meetings.

[Learn More](#)



[Documents & Resources](#)

Access technical documents & other RBD Hudson River resources.

[Learn More](#)



[Climate Change](#)

Learn how the DEP is addressing climate change in New Jersey

[Learn More](#)

44 S Clinton Ave
Trenton, NJ 08609
PH: (609) 322-9566
FX: (609) 984-1908

Climate Resilience and Design Engineering

Rebuild by Design Projects and Stormwater Infrastructure Toolkit
Rebuild by Design
Rebuild By Design Hudson River
Project Overview – Hudson River
Documents/Resources – Hudson River
Archive – Hudson River
Meetings & Construction Updates – Meadowlands
Project Overview – Meadowlands
Documents/Resources – Meadowlands
Meetings & Construction Updates – Hudson River
Past Meeting & Event Archive
Rebuild By Design Meadowlands



Environmental Protection

Commissioner Shawn M. LaTourette
DEP Home
Press Releases
About DEP
Topics
Programs/Units
DEP Online
Contact Us

Statewide

Governor Phil Murphy
Lt. Governor Sheila Oliver
NJ Home
Services A to Z
Departments/Agencies
FAQs
Contact Us
Privacy Notice
Legal Statement & Disclaimers
Accessibility Statement



Copyright © State of New Jersey, 1996-2023
Department of Environmental Protection
P. O. Box 420
Trenton, NJ 08625
609-777-3373

Last Update: October 27th, 2022