

Planning Department CITY of BOSTON

ZOOM TIPS - INTERPRETATION



Spanish, Mandarin, and Cantonese interpretation is available for this meeting. Please select your preferred language option at the bottom of the screen by clicking on the globe symbol. Click "Mute Original Audio to silence other languages."

NOTE: EVERYONE MUST SELECT A LANGUAGE. REMEMBER TO SPEAK SLOWLY!

Se dispone de interpretación en español y criollo haitiano para esta reunión. Seleccione la opción de idioma de preferencia en la parte inferior de la pantalla haciendo clic en el símbolo del globo terráqueo. Haga clic en "Silenciar audio original para silenciar otros idiomas".

NOTA: TODOS DEBENSELECCIONAR UN IDIOMA. ¡RECUERDE HABLAR LENTAMENTE!

本次会议提供西班牙语、普通话和粤语翻译。请点击屏幕底部的地球图标选择您偏好的语言选项。点击"静音原音"可将其他语言静音。

注意:所有人必须选择一个语言。请记得慢慢说话!

呢次會議有西班牙語、普通話同粵語傳譯。請喺畫面底部撳個地球圖示,揀你想聽嘅語言。撳「 靜音原音」就可以靜咗其他語言。

注意:大家都要揀一種語言。記得慢慢講呀!



ZOOM TIPS - MEETING PARTICIPATION





Participants will be muted during the presentation.

The host will unmute you during the discussion if you raise your hand and it is your turn to talk.



Click the video button to turn your video on/off.

If you experience connectivity or bandwidth issues, turning off your video can help.



Use the chat to type a comment or ask a question at any time.

Members of the Project Team will moderate the chat.



To raise your hand, click on "Reactions" at the bottom of your screen, and then choose "Raise Hand."

Use *9 to raise your hand via phone.

ZOOM TIPS - MEETING RECORDING



This event will be recorded and posted on the project webpage for those who are unable to attend the Zoom event live:

https://www.bostonplans.org/planning-zoning/planning-initiatives/flood-resilience-mitigation-planning,-feasibility

If you do not wish to be recorded during the meeting, please turn off your microphone and camera.

If your camera and microphone are off, you can still participate through the text chat feature.









PROJECT TEAM





IN PARTNERSHIP WITH







CONSULTANT TEAM













BUILDING A RESILIENT BOSTON, TOGETHER



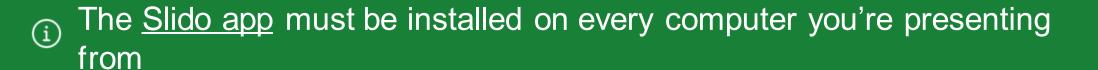








Join at slido.com #5027814



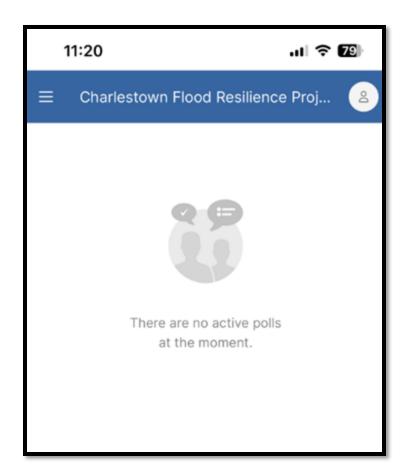


JOINING SLIDO



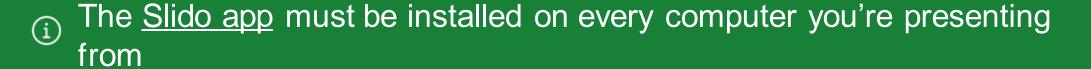








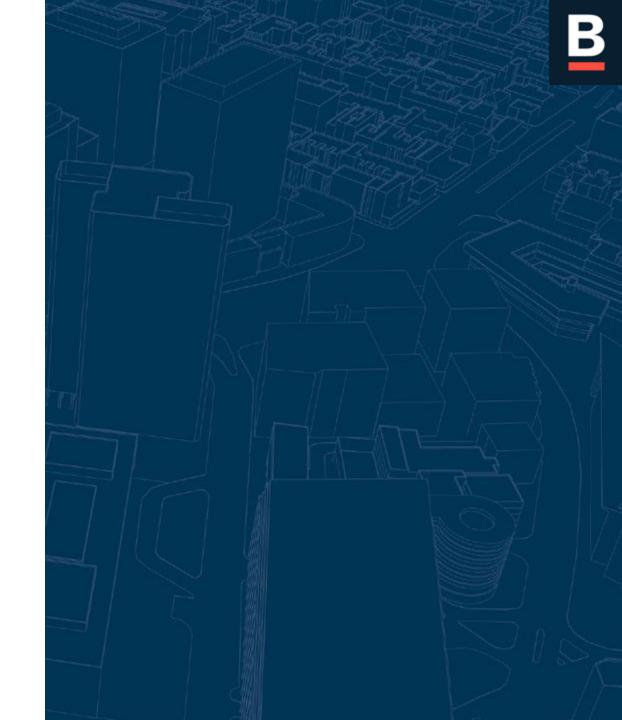
I am a resident of:





MEETING AGENDA

- 1 INTRODUCTIONS
- 2 CLIMATE RESILIENCE IN BOSTON
- **3** WHY THIS PROJECT?
- 4 COMMUNITY FLOODING CONCERNS
- **5** WHAT IS THIS PROJECT?
- 6 QUESTIONS AND DISCUSSION
- 7 WHAT TO EXPECT GOING FORWARD





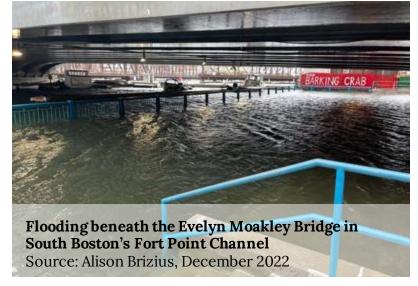
CLIMATE RISK - EVIDENCE FROM PAST STORMS







Flooding along the Border Street waterfront in East Boston
Source: Robin Seidel, January 2024









COASTAL RESILIENCE: CONCURRENT STRATEGIES



TODAY'S STORMS

Key Goal:

Strengthen our response to today's flooding

How?

- Educate residents about emergency preparedness
- Provide adaptation guidance to property owners
- Strengthen protocols for preparing for and responding to extreme weather
- Operationalize deployable barriers

THIS DECADE'S STORMS

Key Goal:

Address 2030 flood pathways

How?

- Complete near-term priority projects identified in CRB/CSR
- Deliver and coordinate with USACE CSRM planning process

All while improving open space and neighborhoods, addressing local needs and equity; and providing adaptation guidance to property owners

BEYOND 2030

Key Goal:

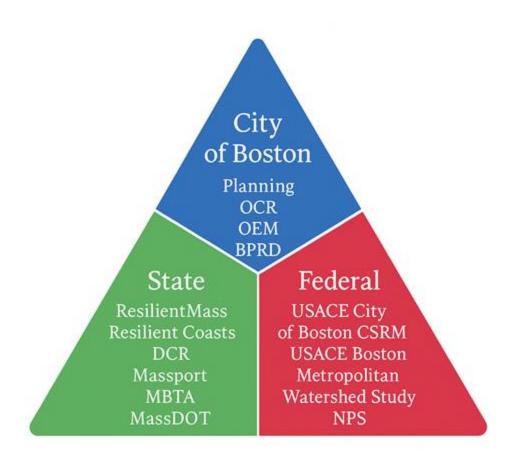
Transform our 47 miles of coastline

How?

- Advance mid- and long-term priority projects from conceptual design to construction through an ongoing partnership with USACE
- Continue to address permitting and regulatory challenges
- Develop and implement longterm financing roadmap

COASTAL RESILIENCE: WHOLE-OF-GOVERNMENT APPROACH

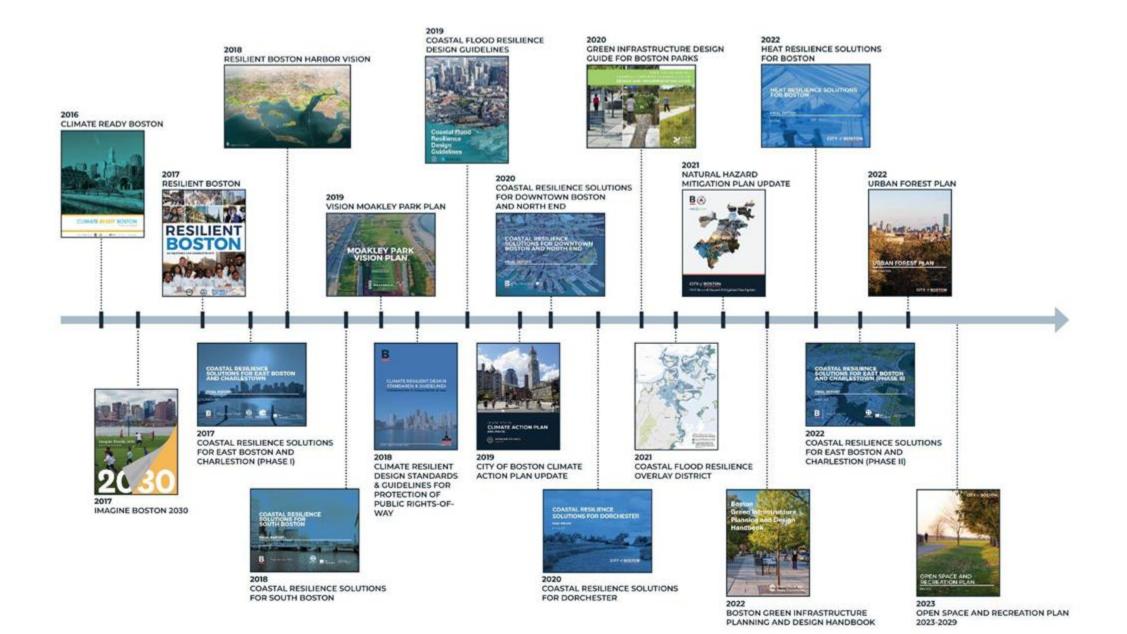


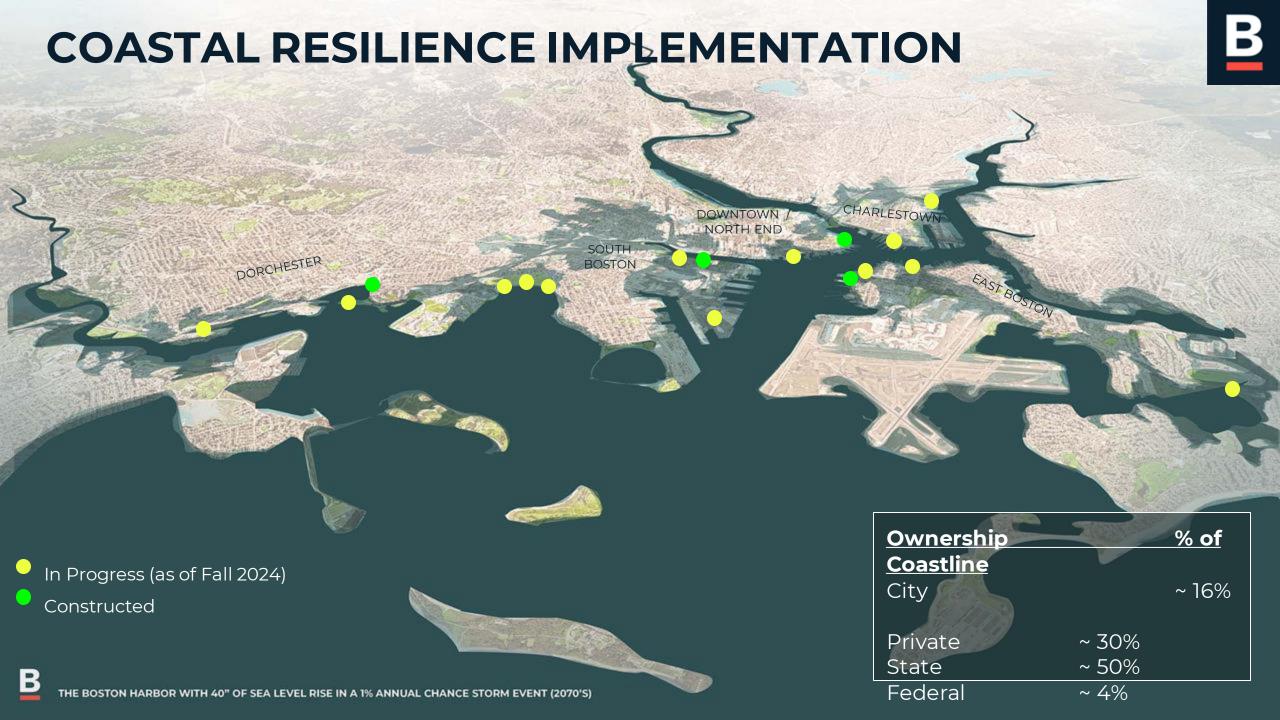


- All ongoing public agency led projects are being coordinated with USACE CSRM
 - Depending on the project stage, they could be part of the USACE plans
 - AND inform locally preferred/betterment plans
- The City is prioritizing 2030 risks, while USACE will help close mid- and long-term flood pathways

CLIMATE PLANS & ACTION



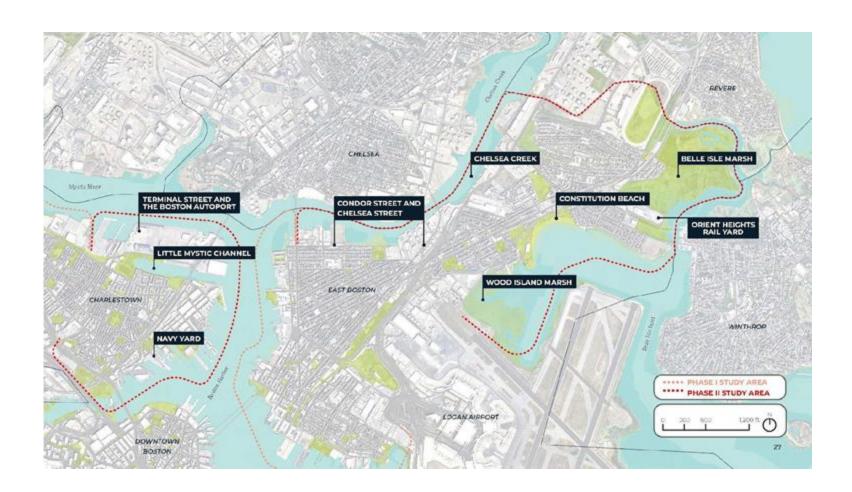




COASTAL RESILIENCE SOLUTIONS

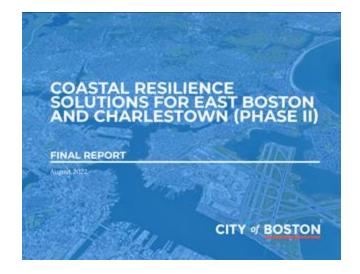
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PHASE I & II





Phase I - 2017

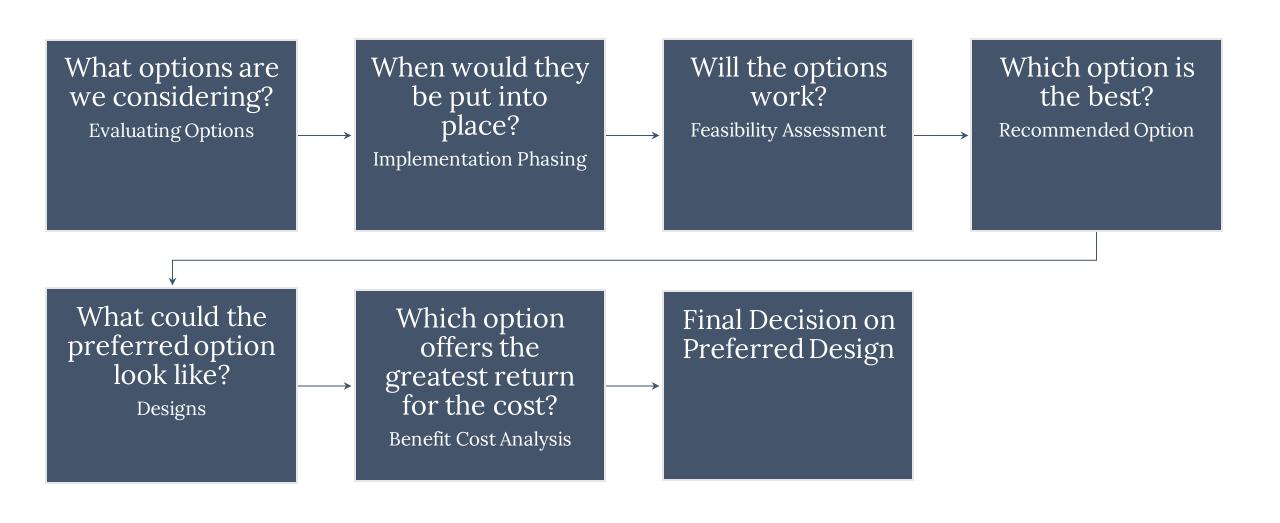


Phase II - 2022

CHARLESTOWN NEIGHBORHOOD LITTLE MYSTIC **CHANNEL SPAULDING REHABILITATION** HOSPITAL **BHA HOUSING 学是工作型 COMMUNITY MENINO PARK BUNKER HILL CHARLESTOWN MARINA BOSTON NATIONAL HISTORICAL PARK NAVAL SHIPYARD PARK**

FROM PLANNING TO DESIGN



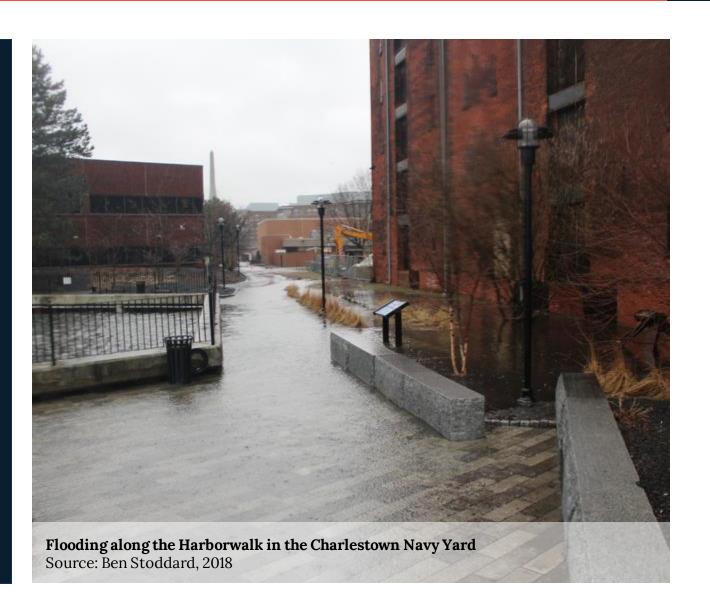




WHY THIS PROJECT?



Charlestown is at **risk** of flooding



TYPES OF FLOODING







TYPES OF FLOODING





FRINGE FLOODING

Impacts low-lying areas along the waterfront as Harbor water levels rise above the ground elevation



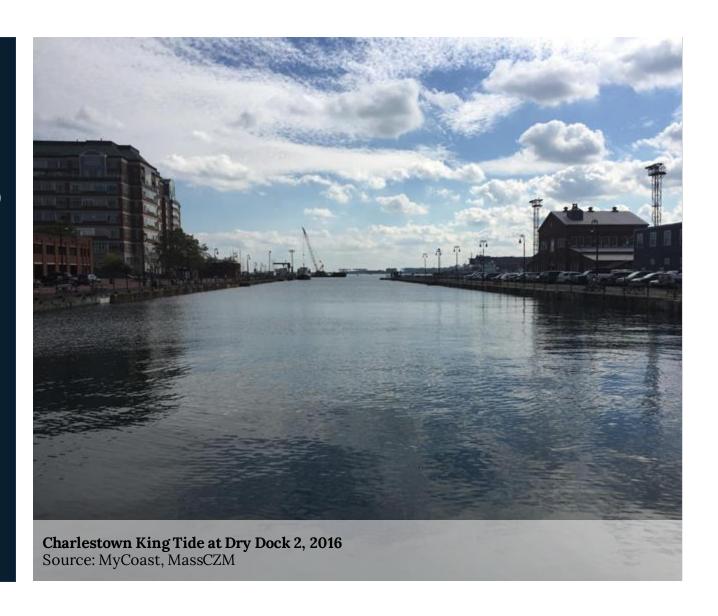
FLOOD PATHWAY

Impacts low-lying areas along the waterfront and inland as Harbor water enters through discrete low-lying areas on the waterfront

WHY THIS PROJECT?

B

This project seeks to address stormwater and coastal flood risk - now and into the future









We need to act collectively to address flooding

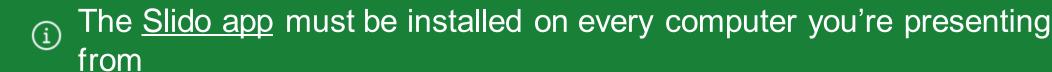








What flooding impacts are you most concerned about? (choose 2)







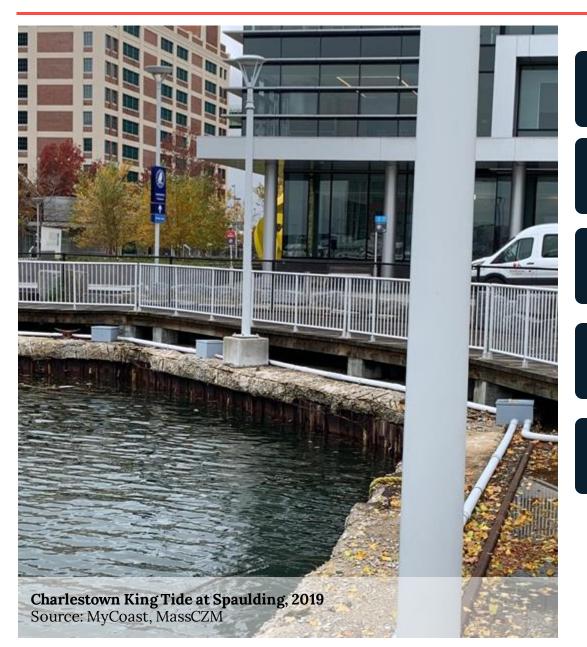
PROJECT AREA: CHARLESTOWN NAVY YARD AND LITTLE MYSTIC CHANNEL





GOALS OF THIS PROJECT







Assess flood risks in the Charlestown Navy Yard and the Little Mystic Channel



Align with neighboring projects



Evaluate opportunities and constraints ir mplementing flood protection designs



Create flood protection tools for property owners



Identify and develop the design for a preferred longterm approach

PROJECT VISION





CONCEPTUAL EXAMPLE FROM NORTH/WEST BATTERY PARK CITY RESILIENCY PROJECT, NEW YORK CITY

Source: New York State Battery Park City Authority

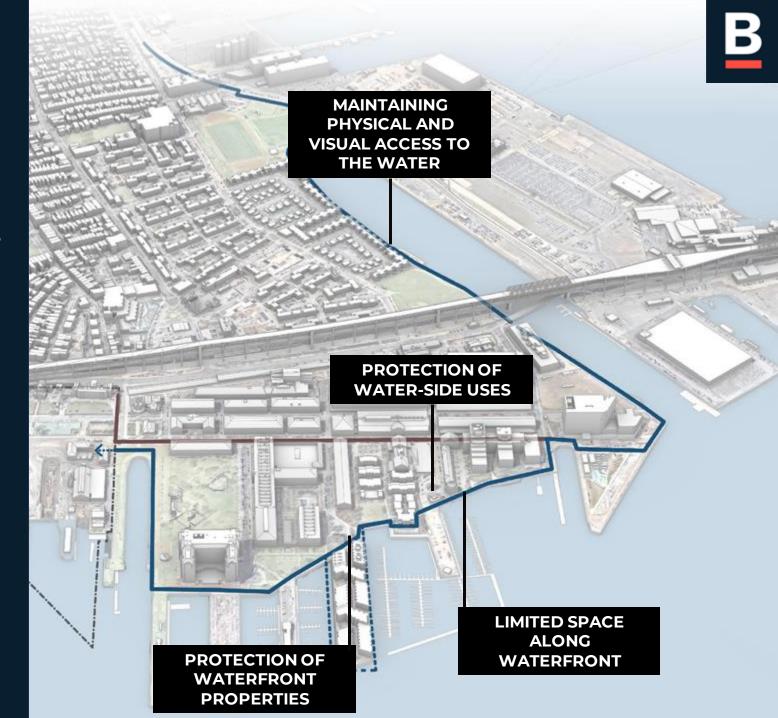
Please note this image does not represent a proposed design for Charlestown

Communities and structures are **protected** from near-term and long-term flooding.

The waterfront experience is enhanced and accessible.

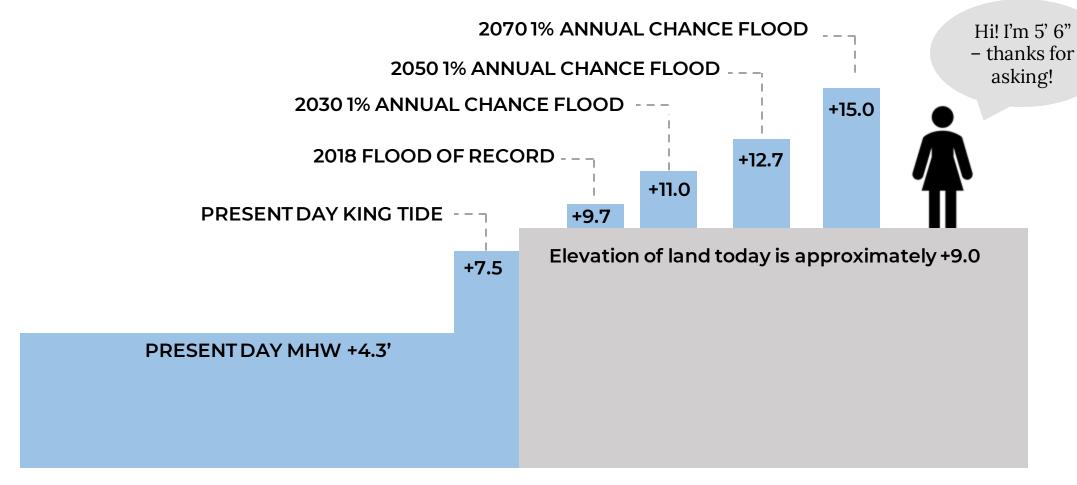
KEY DESIGN CHALLENGES

- Multiple and Diverse Property Owners at Waterfront
- Need for Collective Solution
- Integration of Waterfront Design with Character of Charlestown
- Accessibility and ADA Compliance

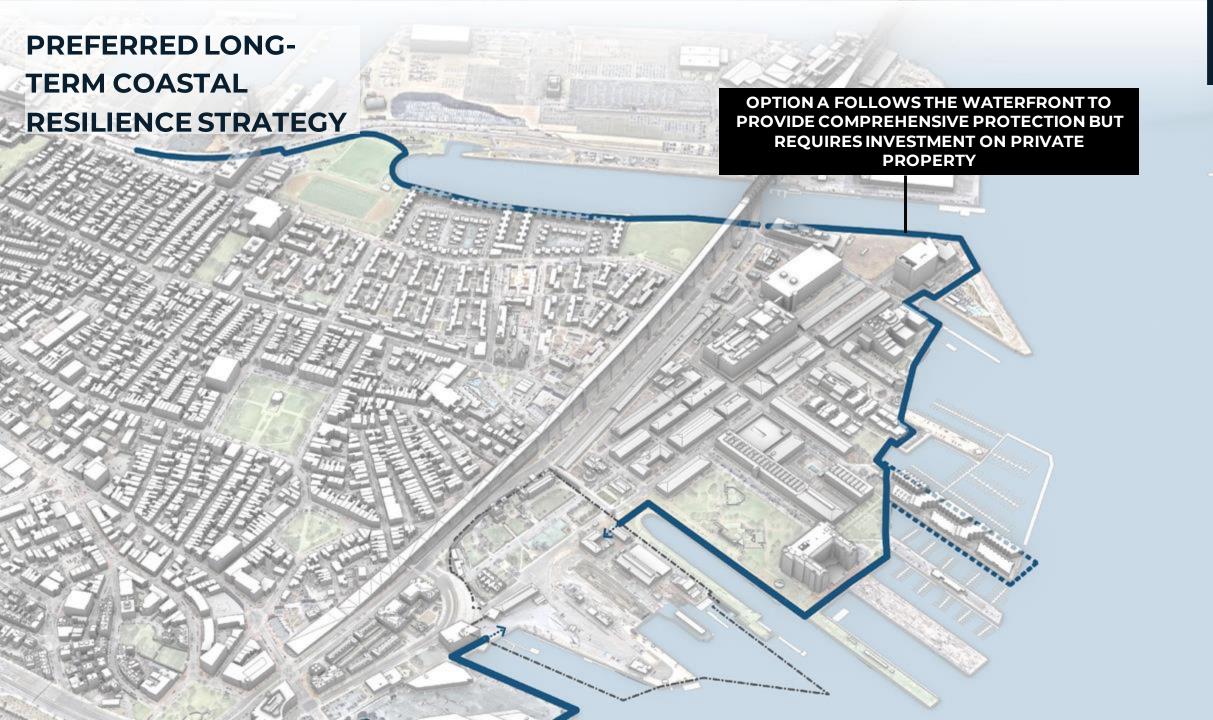


DESIGN FLOOD ELEVATIONS

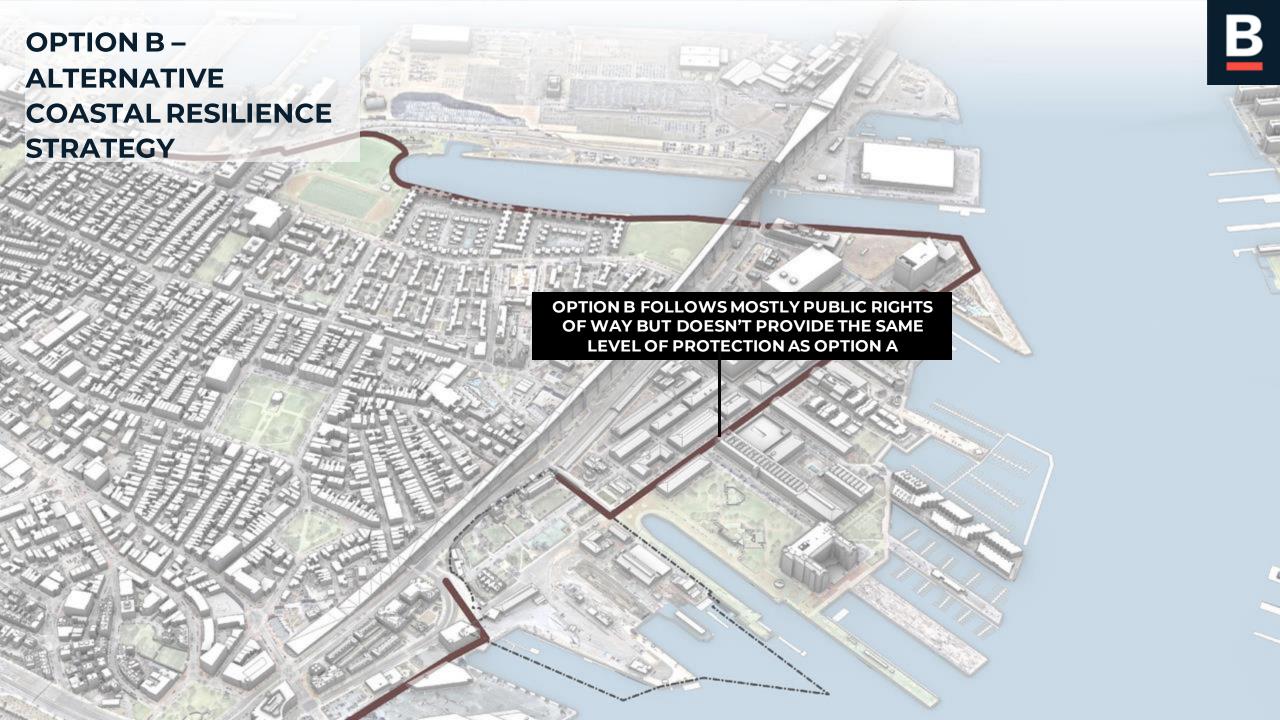




All figures represent approximate elevations at the shoreline in NAVD88







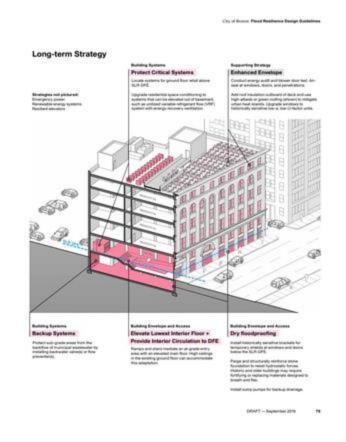
WHAT MIGHT THIS DESIGN LOOK LIKE?





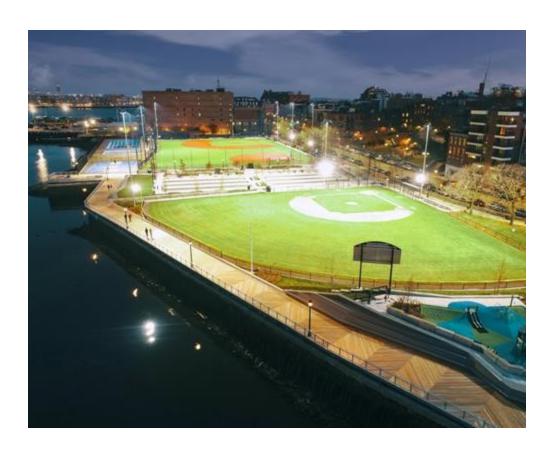
FLOOD PROTECTIONS FOR BUILDINGS

Example: City of Boston Flood Resilience Design Guidelines



PROJECT EXAMPLES





LANGONE PARK AND PUOPOLO PLAYGROUND, BOSTON MA

Source: City of Boston



MARTIN'S PARK, BOSTON MA

Source: City of Boston





CHARLESTOWN EXAMPLE:

Harborview

NEIGHBORHOOD WIDE PROTECTION



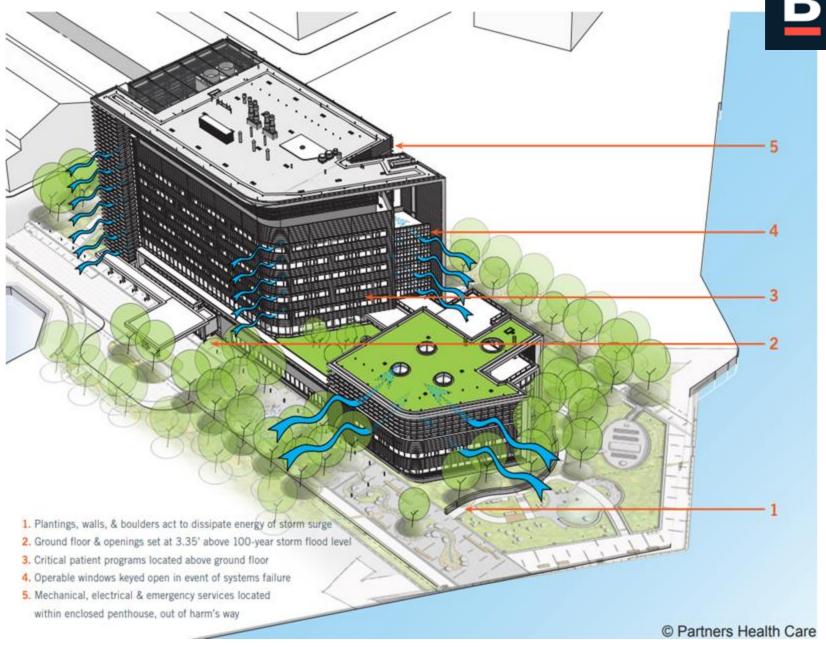


CHARLESTOWN EXAMPLE:

Spaulding Rehabilitation

BUILDING LEVEL PROTECTION







KEY STAKEHOLDERS



Boston Planning
Department

City of Boston (Parks, BTD, DPW, BCYF, and Other Departments)

State Regulators (DEP, CZM, etc.)

Charlestown Marina

Charlestown Community Center Massachusetts General Hospital

Massachusetts DCR

Residential Associations

MassDOT

MassPort

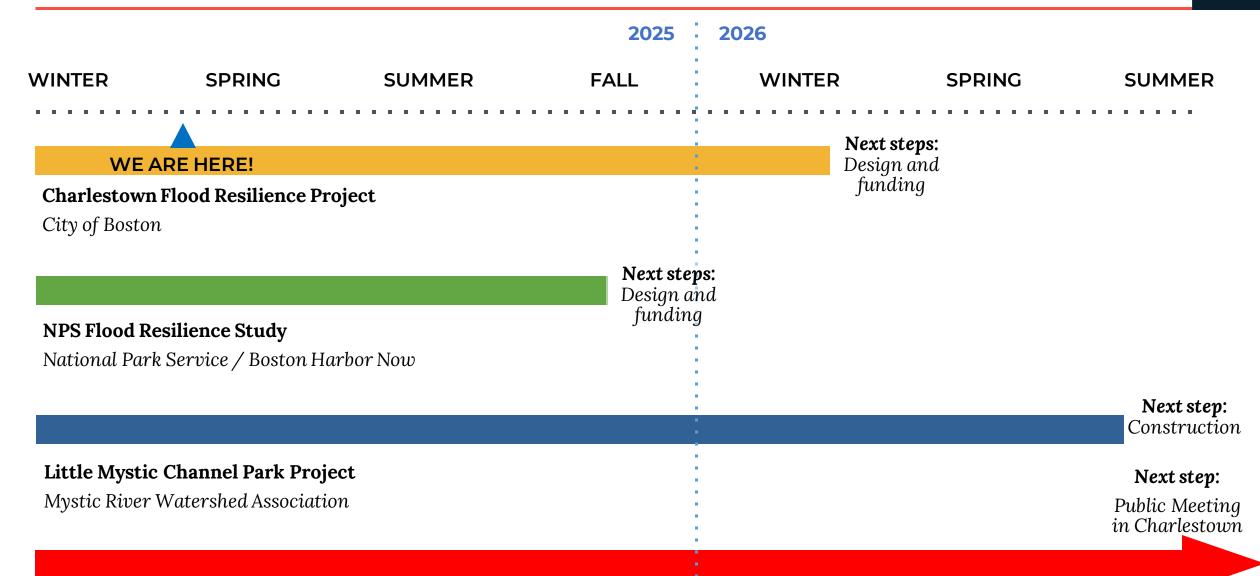
MBTA (Charlestown Navy Yard Ferry Terminal) National Park Service (Boston National Historical Park) Including:
Constellation Wharf
Shipway
The Basilica
CNY Rowhouses
Parris Landing
Flagship Wharf
BHA Tenant Associations
Newtown CoOp
Navy Yard Garden and Art

Boston Housing Authority Residents

Mystic River Watershed Association Friends of Charlestown Navy Yard State and Local Elected Officials

COORDINATION WITH NEIGHBORING EFFORTS





City of Boston Coastal Storm Risk Management Study

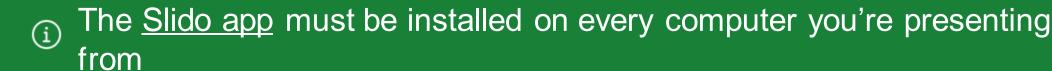
Est. 2028 Completion







For designs, I would like to see (choose 2)

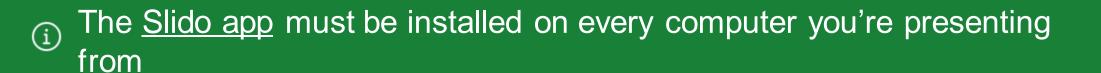








I would like to know more about (choose 2)







PROJECT PHASES



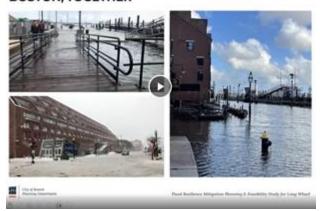
Evaluating Options	Implementation Phasing	Designs	Benefit Cost Analysis
	Feasibility Assessment	Recommended Options	Final Decision
PHASE 1 SPRING 2025	PHASE 2 SUMMER 2025	PHASE 3 FALL 2025	PHASE 4 WINTER 2025 - 2026
INPUT	EXPLORATION	DESIGN OPTIONS	CHOOSING A DESIGN

Engagement and Input Will Continue Throughout the Project

FUTURE POINTS OF ENGAGEMENT



BUILDING A COASTAL RESILIENT BOSTON, TOGETHER



PUBLIC MEETINGS

Zoom meetings to keep everyone up-to-date on the project's progress

Source: City of Boston



DESIGN CHARETTES

In-person workshop(s) to jointly consider, in a handson way, design options for different parts of the project area

Source: Everyday Boston



COMMUNITY EVENTS

Participating in existing community events in Charlestown to share information about the project and gather informal input

Source: Coastal Resilience Solutions for South Boston





I most prefer engaging through (choose all that apply)





OFFICE HOURS & MORE INFORMATION



Office Hours

Location: Building 114 (Massachusetts General Hospital, 16th St. Charlestown, MA 02129) in rooms D1/D2 on the following dates and times:

- **May 5**th 12:00 PM 2:00 PM
- **May 7**th 5:00 PM 7:00 PM

USACE CSRM Study Webinar in Charlestown

- **May 20**th 6:00 PM 8:00 PM
- https://bit.ly/USACECTOWN1
- Follow updates on Environment Department newsletter and on project <u>webpage</u>

Stay up to date with the project website:



THANK YOU

We appreciate your time and hope you enjoyed this presentation.

HAVE QUESTIONS?

Ksenia Acquaviva

ksenia.acquaviva2@boston.gov

OR VISIT:

bostonplans.org