



CAMBRIDGE SHORELINE RESILIENCE PLAN STAKEHOLDER MEETING NOTES

January 11, 2022

1:30- 3:00 PM

Virtual Meeting conducted. Stakeholders in attendance included:

Name	Organization/Department
Larry White	Project Manager, Strategic Programs Development, LLC
Stacey Underwood	USACE Silver Jackets Coordinator
Steve Rideout	Resident
Daryl Butcher	Resident
Pat Escher	Cambridge Planning and Zoning Division Manager
Carlene Shaw	Cambridge Planning and Zoning
Deborah Herr Cornwell	Maryland Department of Planning
James Windsor	Dorchester County Dept. of Emergency Services
Dozia Rahilly	Dorchester County Dept. of Emergency Services
Adam Cox	Maryland Department of Emergency Management
George Hyde	City of Cambridge Engineer
Herve Hamon	Dorchester County Planning and Zoning
Kevin Wagner	Maryland Department of the Environment
Sasha Land	Maryland Department of Natural Resources
Ming Li	University of Maryland- CES Horne Point
Matt Pluta	Shore Rivers- Choptank River Keeper
Brian Clay	Michael Baker International
Mark James	Michael Baker International
Virginia Smith	SP&D

Building Resilient Infrastructure and Communities (BRIC)

City of Cambridge Project Manager, Larry White opened the meeting with highlights from the FEMA Building Resilient Infrastructure and Communities (BRIC) grant application for the Make Cambridge Resilient-Flood Mitigation Project (Design & Construction). The project includes an innovative hybrid design that combines engineered structures with nature-based systems. The project will provide flood protection, living shoreline creation, and adaptive flood risk management in consideration of accelerating sea level rise and stronger storms in a changing climate.

- BCA of 1.25 with justification of benefits and costs
 - Tidal Damages - HAZUS for anticipated 2050 flood levels – 273 at risk properties plus yearly economic benefits major events (ironman, boat races, and other regional events) – \$15,655,869
 - Stormwater Damages - annualized flood damages to sanitary sewer system from surge inflow and infiltration – over last 5 years 11 occurrences, average 2.2 occurrences per year
- Benefits based on preventing losses due to flooding with protection to elevation of 8 ft above MSL. 7 ft plus one (20 percent of 5 ft surge or foot reduction) expected in storm surge due to living shore. Research paper to support this plus UMCES agrees this is reasonable.
- Storm Water Management System with nature - based storage and controlled discharge of storm water.
- Added renderings of project to communicate what our flood mitigation project may look like.
- Addressed Protection of Historic Properties

- Addressed Environmental Impacts of Construction/ use of dredge material.
- Project Description with 9 Attachments

BRIC Submittal Schedule

- Addressed MDEM review comments following initial submittal
- Resubmitted to MDEM on January 5th
- FEMA submittal- January 28TH
- City local match of 27% & technical assistance- University of Maryland CES at Horn Point

BRIC Project Site Renderings & Sketch Up Demonstration- Conceptual Design

Brian Clay, Landscape Architect with Michael Baker International displayed the (3) project renderings developed for inclusion in the BRIC grant application. In addition, Mr. Clay demonstrated the 3D modeling displaying the concept design ideas for meeting attendees. Comments included adding note(s) or display box to renderings displaying pier access, recreational walkways, additional street end viewing platforms. Finally, stakeholders suggested potentially adding rendering for Gerry Boyle Park area and stormwater retention area(s). Future presentations of the rendering and 3D modeling should include benefits of flood risk reduction features.

Note: Concept design renderings and BRIC grant application along with various attachments have been uploaded to the Microsoft Teams Project Folder.

Additional Grant Applications

MD Department of Natural Resources- Chesapeake and Coastal Grants Gateway FY23

Grant Application Due Date: 12/15/2021

Tech Review Jan-March 2022.

Project Selection April to June 2022

Funding July 1,2022

- **Outcome 3** Utilize Natural and Nature Based Infrastructure to Enhance Community Resilience to Climate Change
- **Project** “Gerry Boyle at Great Marsh Living Shoreline – A Make Cambridge Resilient Project- this is the living shore around the perimeter of the Park.

MD Department of Environment – Comprehensive Flood Mitigation Grant CFMG -

Grant Application Due Date: Jan 31, 2022

Award may take up to 18 months.

Proposing BRIC Project requesting funds for half of the City Match Requirements for BRIC

- Federal Hazard Mitigation Assistance grant programs (incl. HMGP, BRIC, and FMA grants) may fund up to 75% of the cost of flood mitigation projects, while the remaining 25% can be evenly split between the State CFMGP and the local governments.

National Fish and Wildlife Federation/NOAA- Emergency Coastal Resilience Fund – emphasis is on nature-based systems that protect population/infrastructure as well as fish and wildlife. Will include UMCES at Horn Point as a team partner.

Grant Application Due Date: Feb 3, 2022

Project – Entire living shore component of Make Cambridge Resilient Flood Mitigation Project

Project Phasing

PHASE 1- focus has been on risk mitigation, i.e., building infrastructure to mitigate current risk to our population and built environment to the best of our ability.

PHASE II- focus is on the development of a program that includes multiple “action plans” that will collectively and systematically reduce our risk to storm surge and projected sea level rise over time. Below is an example of a systematic strategy to risk reduction.

PHASE III- focus will be on risk avoidance over the long term. Our priority is to avoid risk due to a potential sea level rise projection of 5.7 feet by the year 2100. Storm surge is exacerbated by sea level rise.

Upcoming Public Outreach

- City Council Project Update- January 24, 2022
- Planning Commission Project Update- March 1, 2022
- Flood Risk Reduction Community Workshop- March 2022

Larry White is scheduled to meet with both the City Council and the Planning Commission to provide project information and highlights. Comments from both meetings will be reviewed and integrated into the planning project. This information will be shared during the monthly Stakeholder Group meetings.

Information regarding outreach meetings and events will be advertised and shared across various media platforms. In addition, updated content will be added to the project website.

Steve Rideout mentioned the idea of a *Make Cambridge Resilient* article series within the Talbot Spy website/publication. Larry White and Ginny Smith will follow-up with Steve on this idea.

Topics slated for the upcoming *Flood Risk Reduction Community Workshop* include topics that have been identified by community members during previous *Make Cambridge Resilient* outreach events. The purpose of workshop is to provide an opportunity for property (residential and commercial) owners and renters to obtain information on various flood risk reduction options, grant, and technical assistance opportunities.

Next Steps:

- FEMA BRIC Submittal- January 28, 2022
- Submittal of Additional Grants
- City Council Briefing- January 24, 2022
- Monthly Stakeholder Group Meeting- February 8, 2022
- Planning Commission Briefing- March 1, 2022
- Monthly Stakeholder Group Meeting- March 8, 2022
- Flood Risk Reduction Community Workshop- March 2022

The upcoming Maryland VOAD event was highlighted during the meeting. Please share this information.

WHEN:
Saturday, January 29
from 10AM to 4PM

WHERE:
Dorchester &
Somerset Counties MD



Flooding on October 29 left over 150 families with damage to their homes. Crews of 2 or more who can help with clean up and tear out must register with Kim Hopkins by Jan 21 by calling 340.643.7516. Please do not show up unless you have previously registered. Each crew will be given a briefing upon arrival. Must be 18 years old and completely COVID-19 vaccinated. (Registration for dates other than Jan 29 is also possible by contacting Kim.)

Tidal Flooding
Work Day

