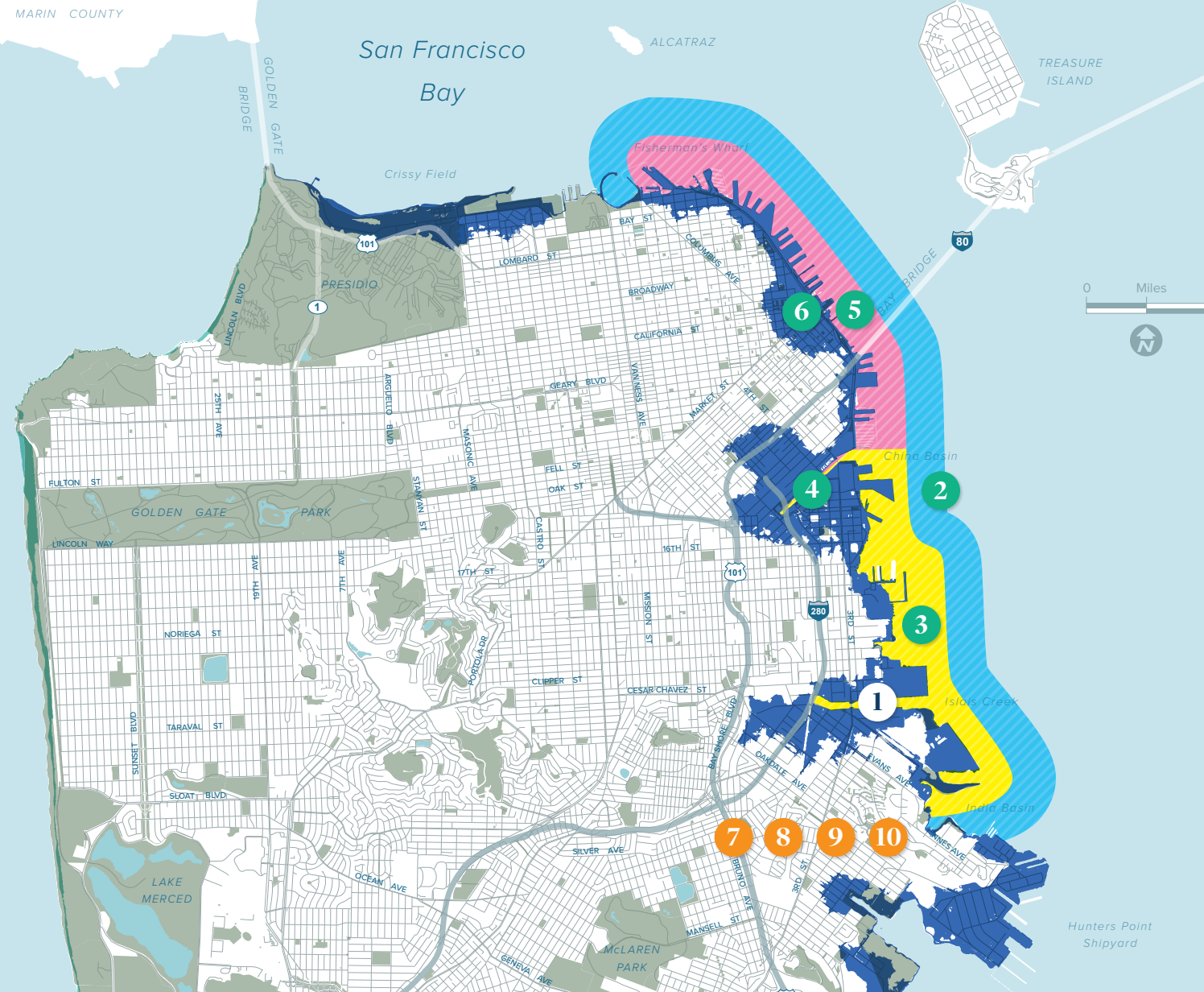
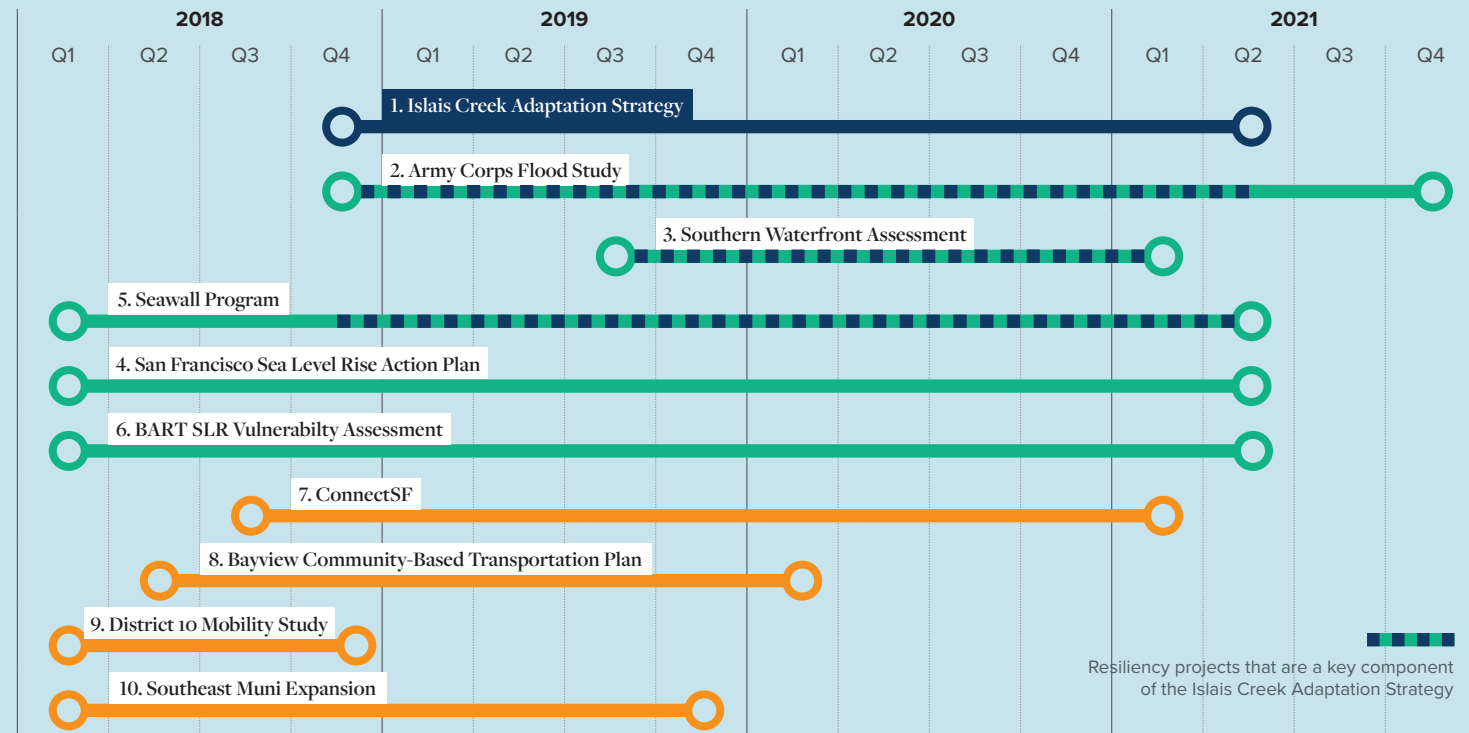


PROJECT TIMELINES



ISLAIS CREEK

ADAPTATION

STRATEGY

Adaptation to rising sea level



Sustainable and resilient transportation



Neighborhood resilience



Resilience San Francisco

A changing climate will have profound impacts on San Francisco's communities and its shoreline. To minimize climate impacts, we need to simultaneously reduce greenhouse gas emissions while preparing for future climate impacts such as sea level rise and coastal flooding.

Over the next several decades, sea level rise and coastal flood events are projected to increase in frequency and extent. Addressing this climate risk requires urgent action now and will ultimately help to build a more resilient city.

Sea level rise poses a threat to San Francisco's neighborhoods and communities, critical shoreline infrastructure and the transportation system. One approach to building community resiliency is to begin the process of identifying vulnerabilities and developing robust strategies that address climate-related risks and vulnerabilities.

Given the complex nature of these issues and the scale of potential impacts, many interrelated efforts are being conducted in the City to understand the severity and progression of climate change impacts, involve the people and communities that could be potentially affected by sea level rise or flooding, and create ideas and actions to protect communities, the economy and the environment. These efforts are described inside this handout.





1 Islais Creek Adaptation Strategy

The Southeast Mobility Adaptation Strategy (SMAS) is a two-year community planning process in the Islais Creek area that will develop actionable strategies that address sea level rise and coastal flood risk through a robust public engagement process. Building on the Resilient by Design proposal and other city and regional efforts, the SMAS will develop a long-range vision for the Islais Creek shoreline, asset-specific solutions for public infrastructure, and a prioritized funding and implementation strategy that increases the resilience of the community and provides improved transportation networks and new open space.

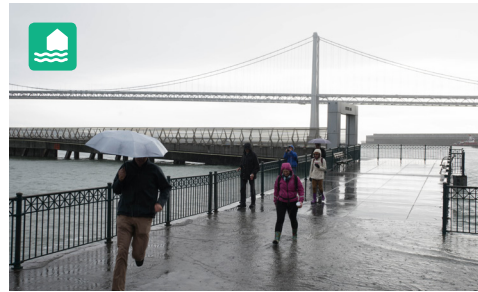
Public Engagement and Timeline: The two-year planning project will begin in early 2019 and will conclude at the end of the 2020.

Project Funding: Caltrans Transportation Planning Grant Program with funding from Senate Bill 1.

Core Team: Planning Department with support from SFMTA and Port of San Francisco.

sfplanning.org/project/islais



2 Army Corps Flood Study

The United States Army Corps of Engineers and Port of San Francisco have partnered to study flood risk along San Francisco's eastern shoreline. The study area is within the Port's jurisdiction, from Fisherman's Wharf in the north to Heron's Head Park in the south. The three year Study will identify challenges and recommend solutions to reduce current and future flood risk and will produce alternatives that will incorporate input from USACE, Port, stakeholder, resource agencies and the public for consideration for Federal investment and implementation.



7 ConnectSF

ConnectSF is the city's long-range transportation planning program launched in 2016 and managed by Planning, SFCTA, and SFMTA. The program's first task was to gather residents and stakeholders to answer the question: "What is the future of San Francisco as a place to live, work, and play?" A Vision for San Francisco was collaboratively developed by residents, community-based organizations, and the program's Futures Task Force. City staff will use the Vision to identify transportation projects and policies that will help get San Francisco to this Vision.

connectsf.org



3 Southern Waterfront Assessment

The Port is leading an effort in the southern part of the Port's jurisdiction to assess the vulnerabilities, identify the opportunities and develop near, mid- and long-term adaptation strategies for the area. The purpose of the assessment is to fill any gaps in the Port, City and community understanding of the risks and opportunities. The Assessment will draw from, and integrate with, a number of existing efforts, including Islais Creek Adaptation Strategy, the Seawall Program, the USACE/Port of San Francisco Flood Protection Study, the Citywide Sea Level Rise work.



8 Bayview Community-Based Transportation Plan

The Bayview Community-Based Transportation Plan (BCBTP) is a community-driven planning effort funded through a Caltrans Sustainable Planning Grant. During this two-year planning process, SFMTA will partner with residents and community groups to identify transportation priorities which reflect community values and support a growing and resilient Bayview. The plan will create a list of local projects for implementation that emphasize walking, biking, taking the bus, and improving access for transit-dependent groups like seniors and residents of public housing. The BCBTP will include conceptual designs for transportation improvements, a prioritized implementation plan, and a funding plan to ensure on-the-ground results for the community.

 sfmta.com/projects/bayview-community-based-transportation-plan



4 Seawall Program

The Port's Seawall Program started in fall 2017 and aims to create a more sustainable and resilient waterfront. The Embarcadero Seawall supports over three miles of the waterfront – from Fisherman's Wharf to Mission Creek – and supports key utility and transportation infrastructure, critical emergency response and recovery areas on the Embarcadero and provides flood protection for downtown San Francisco. The Program's goals are to: reduce earthquake damage; improve flood resilience; engage the community; and enhance the city and the Bay and preserve historic resources.

 sfseawall.com/seawall-program



9 District 10 Mobility Study

The City is exploring strategies to keep District 10 safe and livable and to limit growth in car trips. New technologies can help, by supporting deployment of public and private transportation services and opening up opportunities for community-based collaborations that can help enhance neighborhood access and improve public health. The Transportation Authority is working in collaboration with the community, the SFMTA, and developers to identify near-term, non-infrastructure solutions that that improve sustainable travel options for residents and visitors alike. Our goal is for these improvements to happen in the near-term to respond to transportation needs in the next one to three years, as well as future demand.

 sfcta.org/D10_mobility_management_study



5 San Francisco Sea Level Rise Action Plan

The city is conducting a vulnerability and consequences assessment to identify where and how sea level rise and coastal flooding will affect San Francisco's public infrastructure like the wastewater system and our parks and open spaces. This foundational assessment will help the city prioritize and develop adaptation strategies to minimize future flood risk.

sfplanning.org/sea-level-rise-action-plan



10 Southeast Muni Expansion

The Southeast Muni Expansion, coupled with the near-term transit service improvements being made as part of the Muni Service Equity Strategy, will provide faster and more frequent bus service to downtown San Francisco and other destinations throughout the City. The Southeast Muni Expansion will be implemented in phases beginning in 2021, as the communities in southeastern San Francisco grow, while helping to meet the travel needs of existing neighborhoods. The Southeast Muni Expansion will include neighbors, businesses and community organizations in shaping the Muni bus service improvements that will be implemented as development moves forward.

 sfmta.com/projects/southeast-muni-expansion



6 BART Sea Level Rise Vulnerability Assessment

BART will be conducting a regional sea level rise vulnerability assessment, funded by the Caltrans Transportation Planning Grant Program, over the next two years. The first phase of the project will focus on the BART/SFMTA subway assets at the Embarcadero station. The project is currently focused on understanding where flood water will go if it enters the shared subway system and what subway assets will be impacted. This project ultimately aims to identify strategies that can be implemented in the years ahead to provide flood protection to the critical local and regional subway system.

 resilientca.org/case-studies/bart-sea-level-rise-and-flooding/

● Lead and ○ Supporting **AGENCIES**

- Army Corps of Engineers 
- Bay Area Rapid Transit 
- Countywide Transportation Agency 
- SFMTA 
- SF Planning 
- Port of San Francisco 
- SFPUC 
- SF Public Works 
- Office of Resilience and Capital Planning 

