

Port of San Francisco Waterfront Resilience Program

U.S. Army Corps of Engineers San Francisco
Waterfront Coastal Flood Study Update

Maritime Commerce Advisory Committee



The Dual Risks of Earthquake and Sea Level Rise Cannot be Ignored

Potential Sea Level Rise by 2100

Over 6% of San Francisco's land area is subject to flooding due to sea level rise by end of century. Modeling shows:

- By 2050, **100 to 500 structures** and **assets** will be vulnerable to flooding
- By 2140, damages could amount up to **\$23 billion**, including 23,000 residents in more than 500 buildings and 3,400 jobs impacted

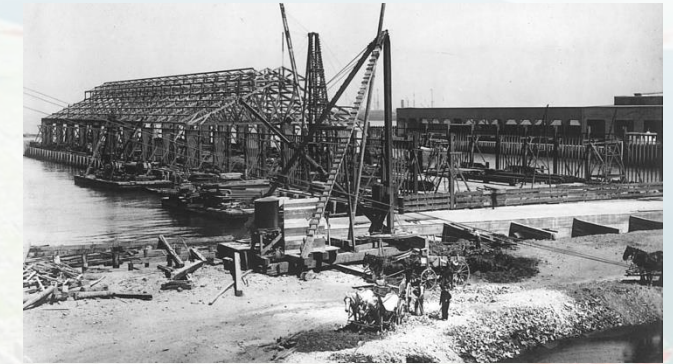
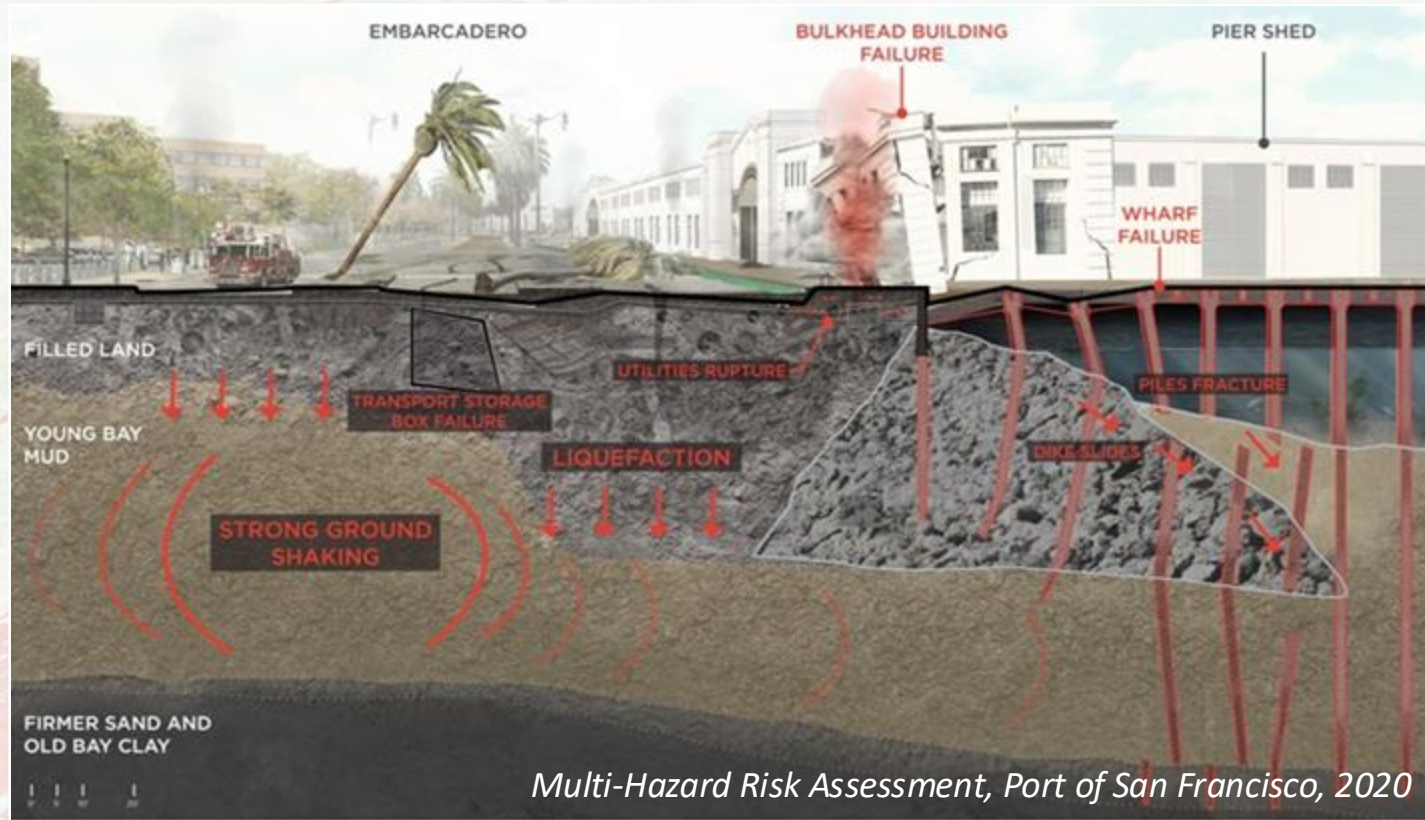


Islais Creek Flooding



The Dual Risks of Earthquake and Sea Level Rise Cannot be Ignored

The 150-year-old historic seawall must be replaced with safe and resilient infrastructure



Up to **40,000** people could be at risk on Port property
if an earthquake occurs during the day

San Francisco's Unique Role and Opportunity

1

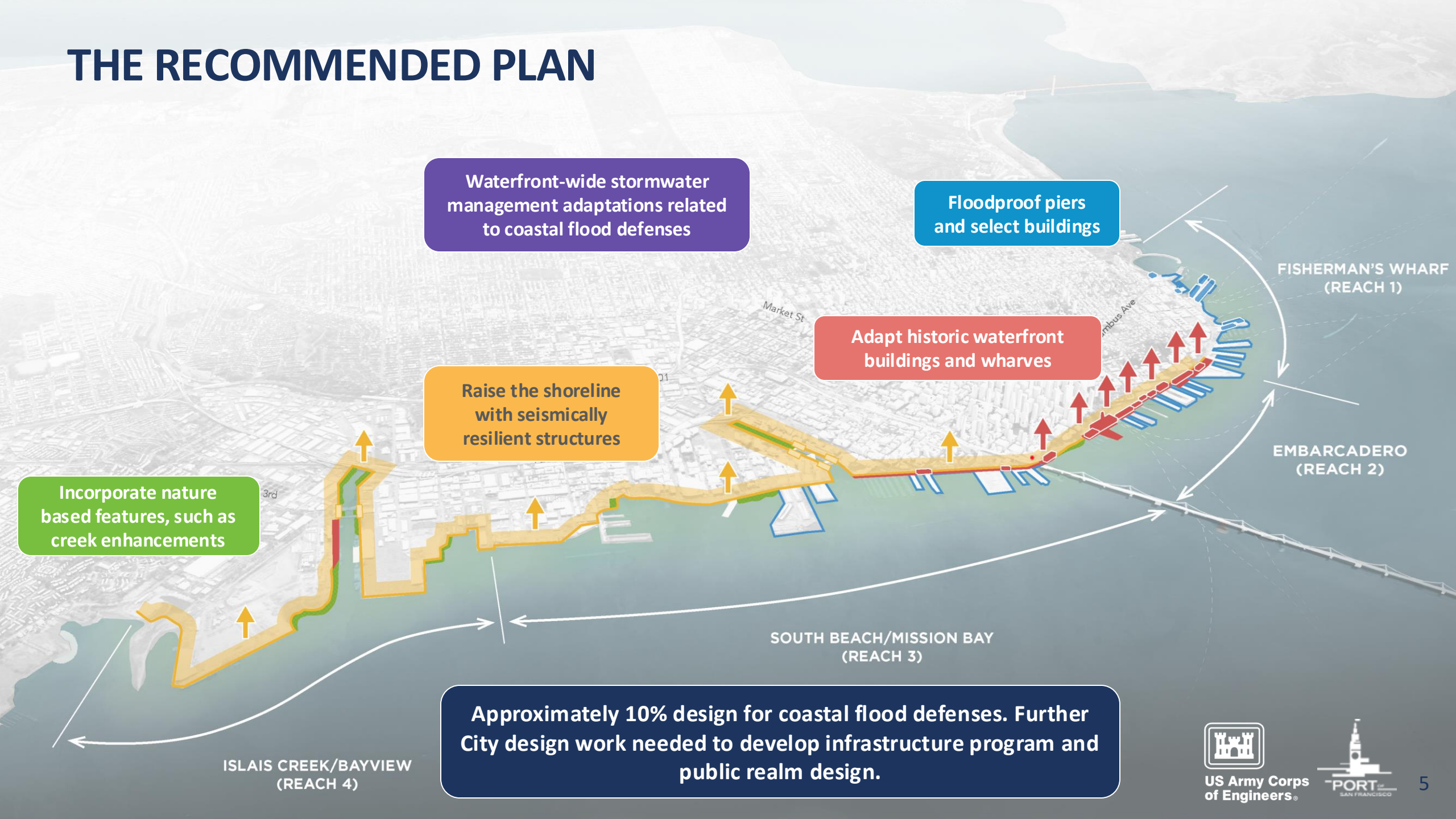
First USACE Coastal Flood Study and Project with a Focus on Sea Level Rise in the Nation

2

First of its kind USACE Comprehensive Cost Benefit Analysis

Supported by federal legislation that accounts for higher cost of building flood defenses in seismically active areas

THE RECOMMENDED PLAN

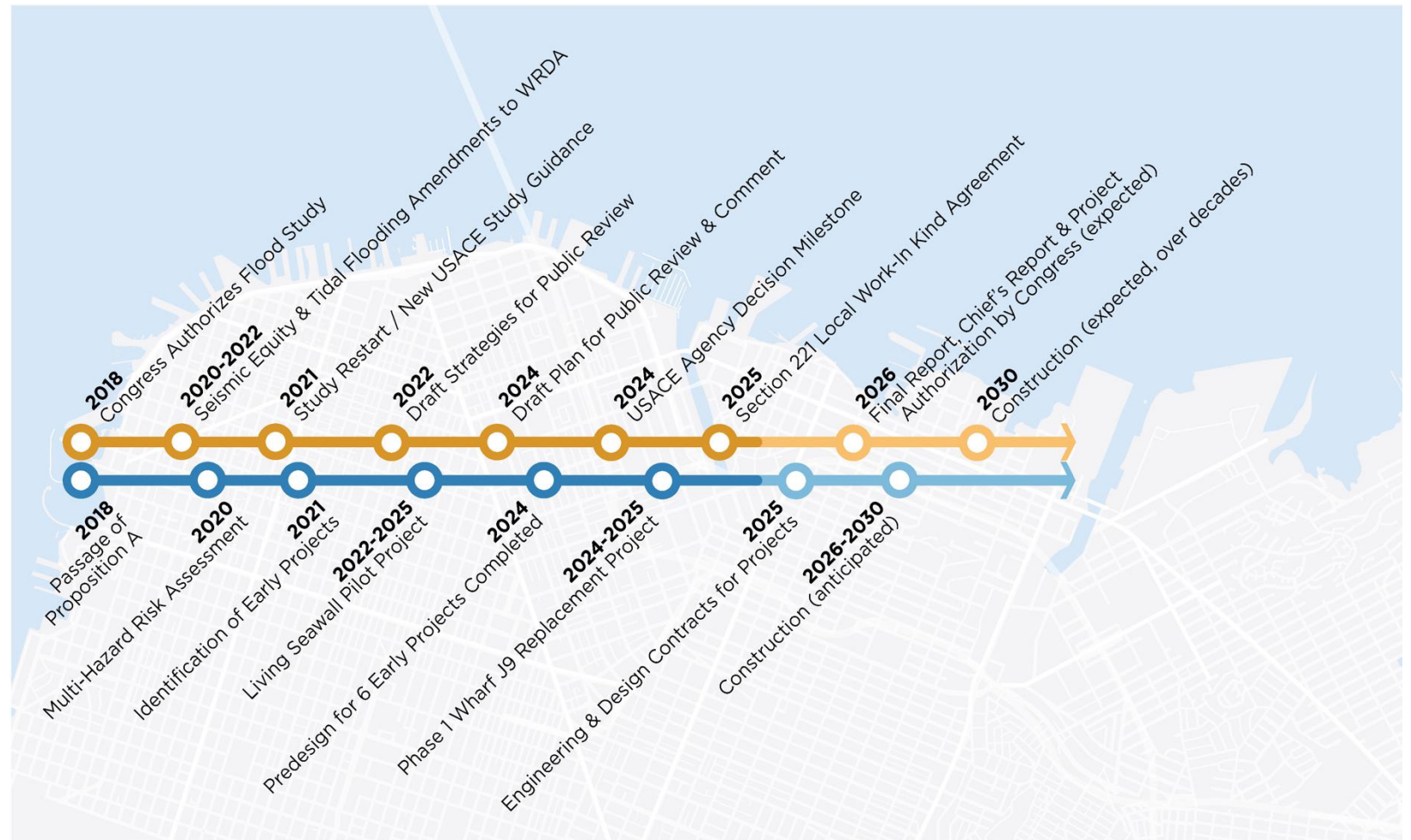


US Army Corps
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USACE Study Strategy

- USACE & Port have spent approximately \$16 million to date and 6 years to develop the USACE Plan
- Based on the USACE Agency Decision Milestone and existing USACE guidance, the current Study is on a path to a federal interest finding by the Chief of Engineers
- Key outstanding issue: design maturity vs. 35% level design



THANK YOU

