



**RESILIENT**

**BAY AREA CHALLENGE**

**BY**

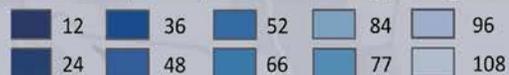
**DESIGN**

# **Progress Update**

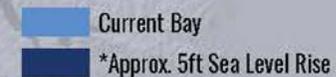
## **State Route 37 Policy Committee**

# Understanding the problem.

Total Water Level (Inches) above Mean Higher High Water



Sea Level Rise



San Pablo Bay

Suisun Bay

Central Bay

South Bay



It's time to think differently.



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DESIGN



A group of approximately 20 people is gathered on a grassy hill, looking out over a large body of water. In the distance, a city skyline is visible across the water, with a bridge spanning the bay. The sky is clear and blue. The text "Climate change knows no borders, but neither does innovation." is overlaid in large white font on the left side of the image.

# Climate change knows no borders, but neither does innovation.

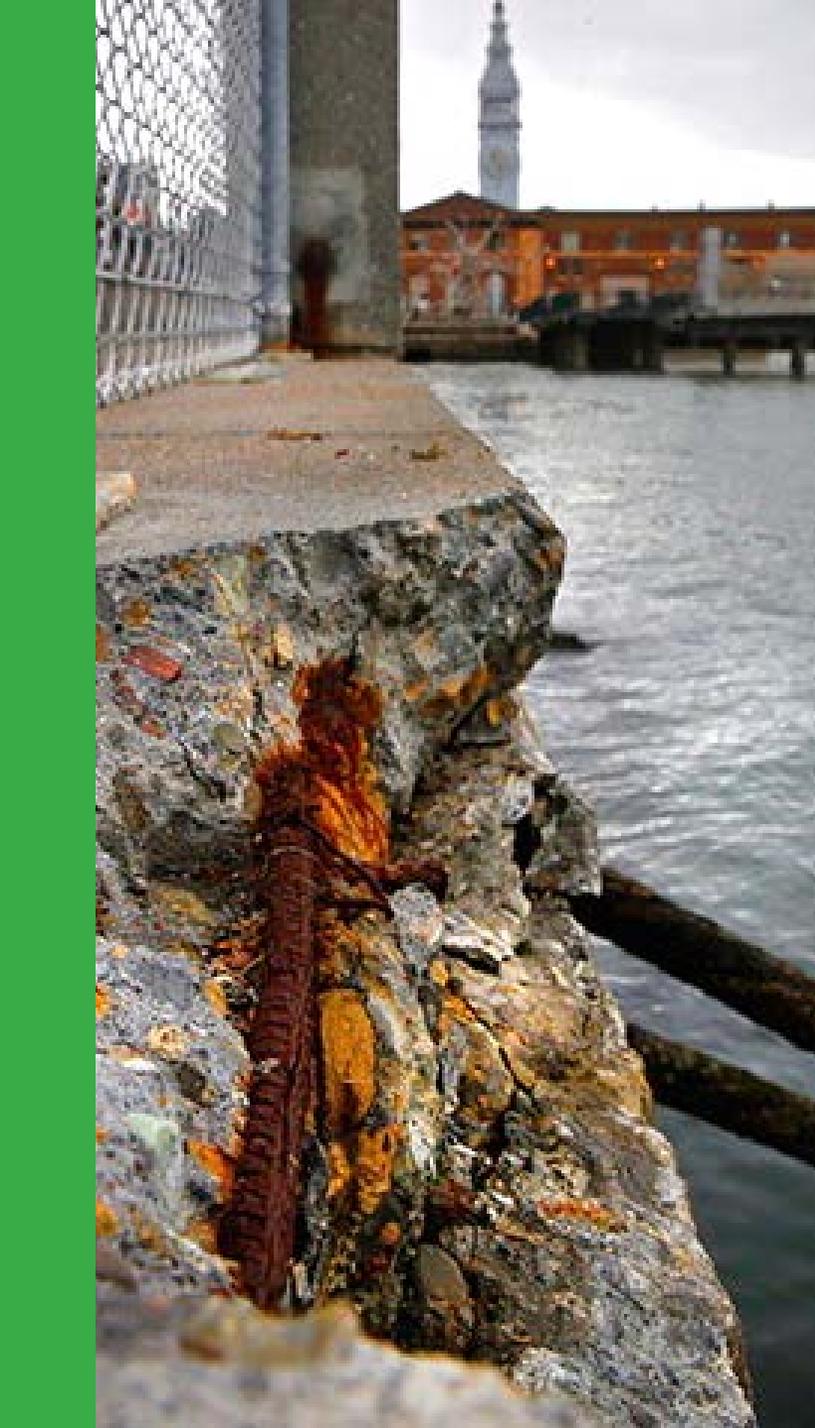
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DESIGN

# Based on a proven model.

REBUILD  
BY  
DESIGN

THE  
ROCKEFELLER  
FOUNDATION





# San Francisco Chronicle

## Design teams compete for best solution to sea-level conundrum

*An ambitious design competition that seeks to make the Bay Area a model for how to prepare for sea-level rise kicks off this week.*

ARCHITECTURAL DIGEST

# A Radical New Plan to "Future-Proof" San Francisco

*Resilient by Design partnered with MVRDV, James Corner Field Operations, and others to protect the area from climate disaster before it happens*





# A Community Coming Together



CULTURESTR/KE



seedfund



RESOURCES LEGACY FUND  
CREATIVE SOLUTIONS. LASTING RESULTS.



# Challenge Timeline

Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	2018	Feb	Mar	Apr	May
Challenge Launch			Research Phase				Design Phase					
May 31			September 1				December 1					
RFQ released			Collaborative Research				Collaborative Design Phase					

# Challenge Launch



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is named in honor of  
"BEAR"ARNOLD, U.S.N.  
Arnold carried the Navy Cross  
heroism as supply officer  
WN in the Battle of Midway,  
of Supplies and Accounts  
1954 to 1958,  
as commanding officer  
Supply Center, Oakland,  
8 until he retired in June 1960.

PROJECT QUESTION

How can we design physical and landscape elements to deal with climate change? How can we design physical and landscape elements to deal with climate change?

BACKGROUND

Swiss Cheese Wall

Our model is made out of three layers and these different holes (cut out) go through it and it's actually when it's done there's what's called a Swiss Cheese Wall. It looks like it has three rings on this side holding the structures together so they will be forced out all throughout the trench. It has a rope connected to the system that is held in an anchor, securing it and making sure it stays floating in one place.

DESIGN

EDUCATIONAL OUTREACH

- Presentations
- Flyer
- Social media posts

# Ten Design Teams



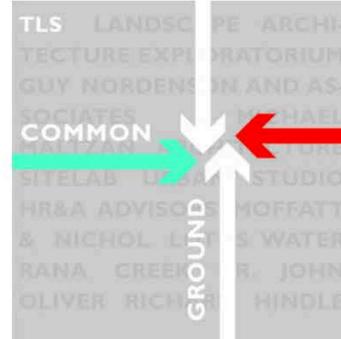
**THE ALL BAY COLLECTIVE**  
 AECOM



**BIG + ONE + SHERWOOD**  
 BIG



**BIONICTEAM**  
 Bionic



**COMMON GROUND**  
 TLS



**THE FIELD OPERATIONS TEAM**  
 Field Operations



**HASSELL+**  
 HASSELL



**THE HOME TEAM**  
 Mithun



**PERMACULTURE + SOCIAL EQUITY TEAM (P+SET)**  
 Base Landscape



**PUBLIC SEDIMENT**  
 SCAPE



**Team UPLIFT**  
 Gensler

RESILIENT

DAY AREA CHALLENGE

BY

DESIGN

# Collaborative Research Phase



## In the Field

“This is our opportunity to bring the teams around the Bay, to explore the challenges that exist, and to get a chance to talk to **experts** in the issues our communities are facing, from flood, seismic and sea level rise risks, to economic, transportation and housing challenges in **our communities.**”



# *Design Opportunity Sites*



- **The All Bay Collective – San Leandro Bay, Oakland Coliseum**
- **BIG+ONE+Sherwood – San Francisco: Islais Creek**
- **BionicTeam – San Rafael**
- **The Home Team – North Richmond**
- **HASSELL+ – San Mateo County: South San Francisco**
- **The Field Operations Team – East Palo Alto to Sunnyvale**
- **Public Sediment – Alameda Creek**
- **Common Ground – San Pablo Bay**
- **Team UPLIFT – Vallejo**
- **P+SET – Regional Resilience**

# Team Uplift

## Vallejo

### Expertise:

Planning + Urban Strategy

Design + Engineering

Landscape Architecture

Public Finance + Policy

Data Visualization + Analysis

Environmental Communications Strategy



### Members:

Gensler | ARUP | Margie Ruddick Landscape (MRL) | HR&A  
Advisors | Stamen Design | UCLA Institute of Environment and  
Sustainability | Stanford Sustainable Urban Systems Initiative

# Collaborative Design Phase



# Empowering Communities



# Final Designs



To stay updated, sign up at  
[www.resilientbayarea.org](http://www.resilientbayarea.org)

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