Goal: Explore multi-benefit adaptation approaches for coastal & habitat highway resilience for the Pacific Coast Highway along Elkhorn Slough in Monterey Bay.
Of coastal property at risk from SLR & flooding by 2100

ONE BILLION DOLLARS!
90 miles of PCH at risk of flooding by 2100
Protecting infrastructure is their obligation
**Barriers to Marsh Migration**

**Current Sea Level**

**Future Sea Level**
- Steep terrain impairs or prevents marsh migration.

**Land development blocks marsh migration.**

*Source: Make Way for Marshes (Northeast Regional Ocean Council)*
Protected wetland habitat

Today
ENVIRONMENT
Habitat Protection & Enhancement

TRANSPORTATION
Effectiveness, Efficiency, & Safety

ECONOMIC
Benefit to Community
Habitat & Highway Vulnerability to SLR & Flooding
Nearly 2 miles of PCH @ Elkhorn Slough inundated at EMHW by 2100

3.6 miles vulnerable to flooding

As soon as 2050....
Thousands of acres could be impacted by 5 miles of HWY management.
Biophysical Analysis of Alternatives

Economic Analysis

Facilitation & Communication
Calculating alternate routes, please wait...
BAY AREA RESILIENCE BY DESIGN CHALLENGE

UNITING THE BEST LOCAL AND GLOBAL MINDS TO WORK TOWARD A MORE RESILIENT AND SUSTAINABLE FUTURE

The Bay Area Resilience by Design Challenge joins government, community leaders, and stakeholders from around the region to address challenges affecting the resiliency of our neighborhoods, environment, and infrastructure in this era of climate and seismic uncertainty.
THANK YOU!
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