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Integrating Transportation, Ecology, and Sea Level Rise Adaptation into One Design

SR 37 Policy Committee
July 20, 2018

SR 37 Corridor – Regional Focus is Segment B

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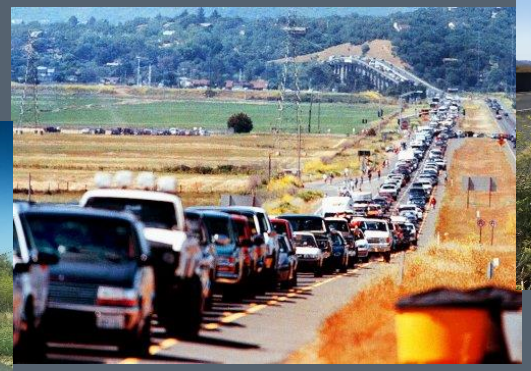
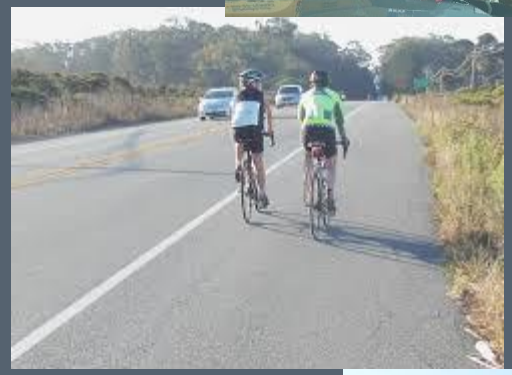
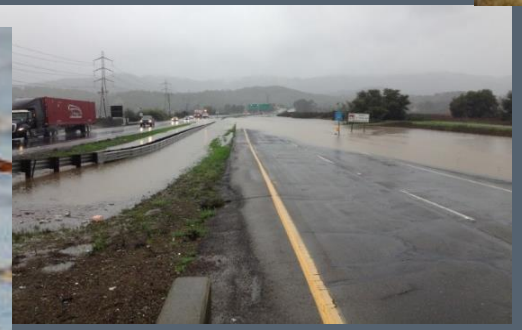
Project Goals





Improve traffic flow and move more people in fewer vehicles
Provide accommodation for multimodal use and public access
Improve corridor resiliency of to sea level rise and flooding
Provide ecological and hydrological enhancements



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Outreach

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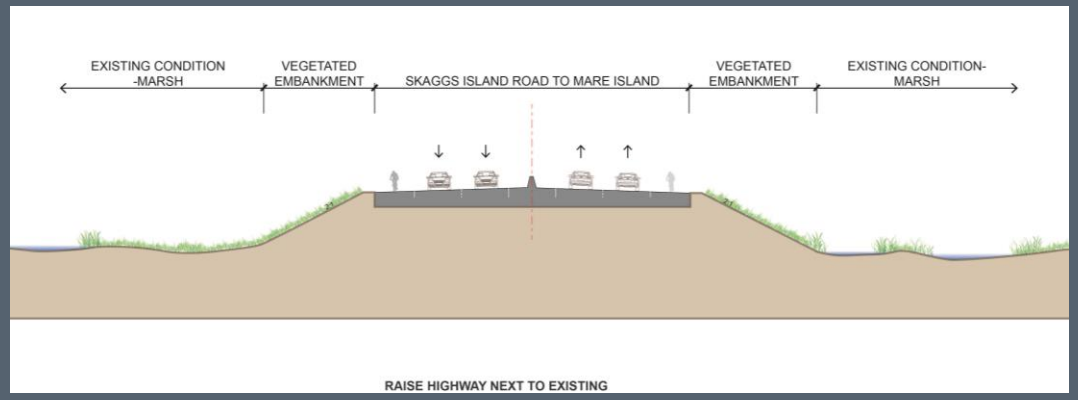
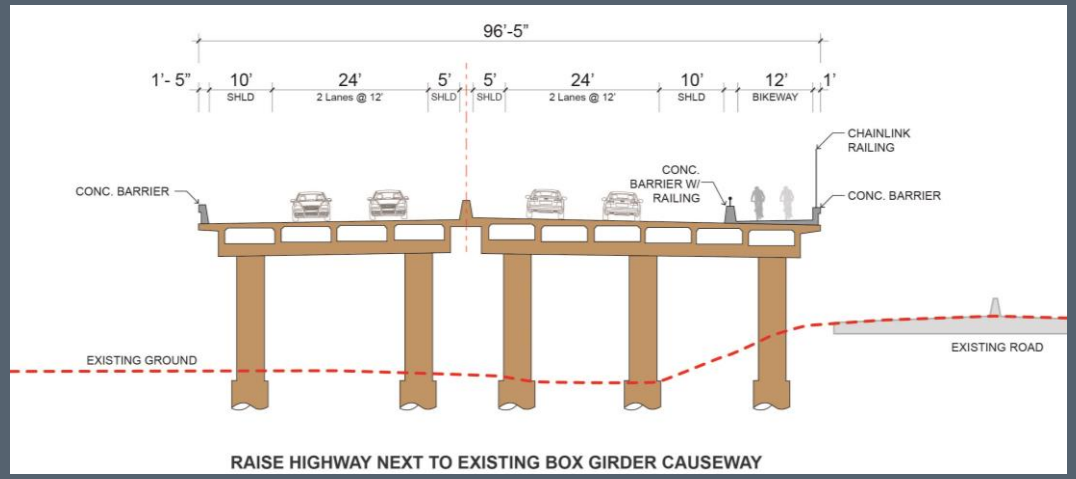
The Project: SR 37 Segment B [SR 121 → Mare Island]

Integrated Transportation, Ecology, & SLR Adaptation Project

- Raised/Elevated Roadway That Provides Resiliency to Long Term Sea Level Rise Threat through Year 2100
  - 4-Lane Highway with Different Design Options
  - Multimodal Improvements: Transit and Bike
  - New HOV/Managed Lanes
  - Incorporate Habitat Planning, Conservation and Restoration
- Range of Alternatives
  - Current Alignment:
    - Phase 1/Initial Build: Reconfigure Existing Segment B to 3-Lane or 4-Lane Roadway at Current Elevation
    - Phase 2/Ultimate Build: Reconstruct Segment B Adjacent to the Current Alignment – Hybrid or Causeway
  - New Alignments:
    - Northern/In-Land Alignment
    - Southern/Bridge Over the San Pablo Bay Alignment



Examples of Typical Cross Sections



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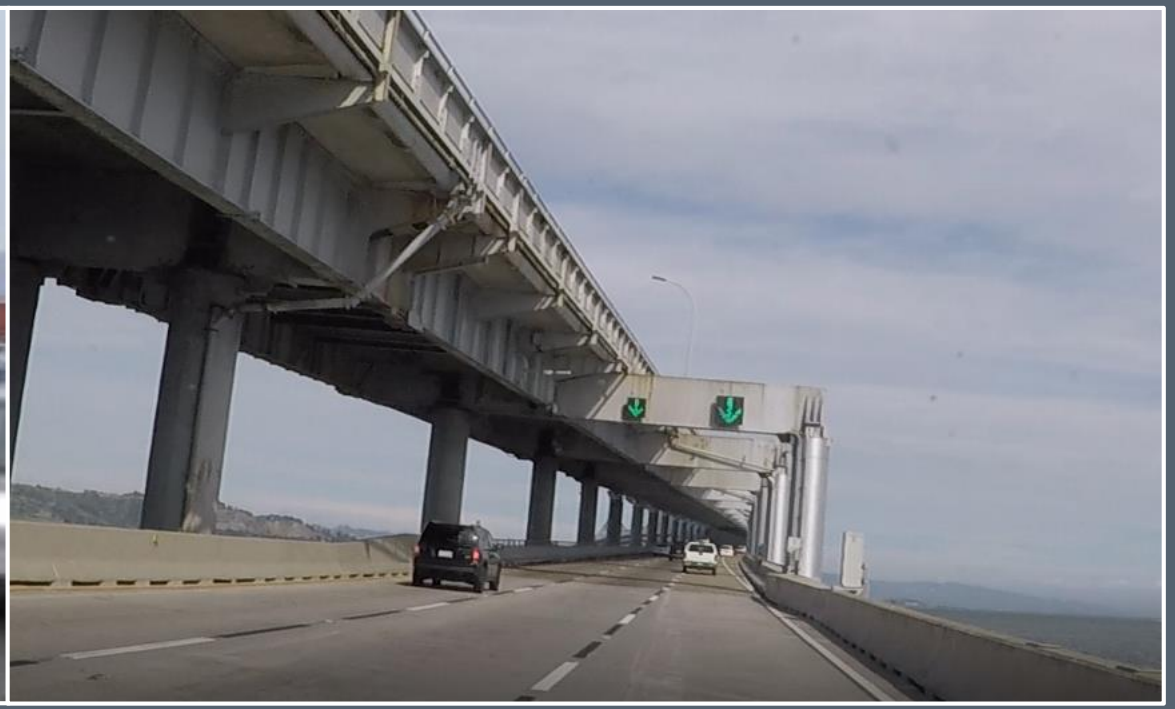
Current Alignment

Phase 1/Initial Build: Reconfigure Existing Segment B to 3-Lane Contraflow, or 4-Lane with Peak-Period Use Shoulder Running Lanes

Golden Gate Bridge:
Contraflow Lane

Richmond-San Rafael Bridge:
Peak Period Use Shoulder Running Lanes



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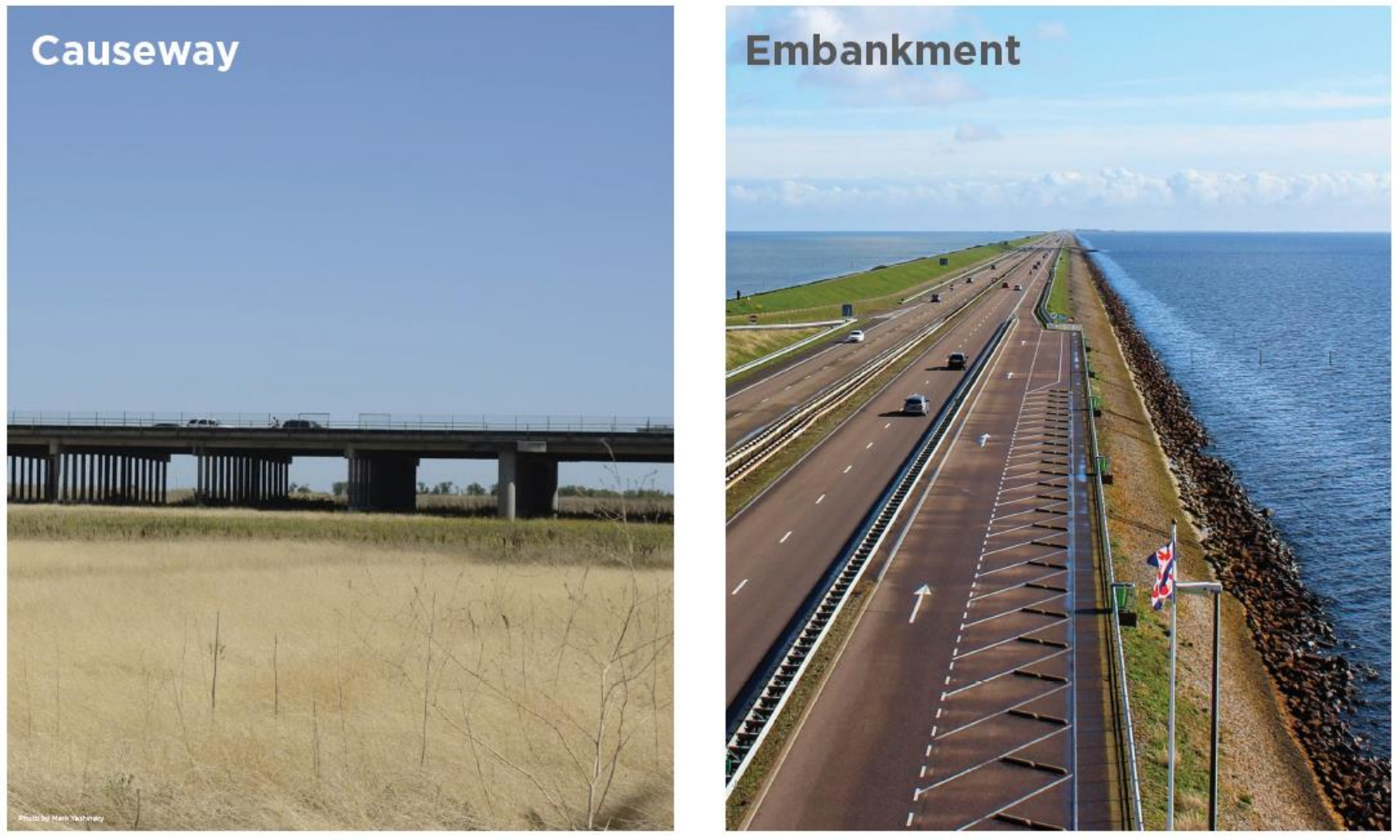
Current Alignment

Phase 2/Ultimate Build: 4-Lane Highway Adjacent to Current Road, All Causeway or Hybrid (Embankment + Causeway)



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New Alignment

Northern/Inland 4-Lane Highway adjacent to SMART

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New Alignment

Southern 4-Lane Bridge Over the San Pablo Bay Alignment

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The Ultimate Challenge:

How to Strike a Balance and Advance a Multi-Benefit SR 37 Project

Improve Traffic

Existing and Future Land Use Multimodal

Historical Function Restoration

Wildlife Connectivity Sea Level Rise

Recreation Public and Private Access Funding

Integrate Ecological Benefits