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# Why Transportation Network Resilience?

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## Climate Resiliency Team Meeting #1

# Purpose & Need

- Address effects of climate change in our region today
- Build off / supplement local plans
- As a regional agency, SBCAG is uniquely positioned to address issues around climate change effects

# Project Vision

Work with our partners in developing innovative **climate-smart infrastructure** for **all modes of transportation** that will **withstand** current and future **climate change impacts**, with an emphasis on solutions that will allow **everyone** in Santa Barbara County to **move freely** and access **key services** that support our **community's health, resilience, and vitality** – even during emergencies and natural disasters.

# What are we Doing?

## Multi-Modal Transportation Network Resiliency Assessment

- Funded by Caltrans Adaptation Planning Program (SB1)

## Project Description

- The assessment will include a:
  - Vulnerability Assessment to identify areas of the region where the network is most vulnerable to potential impacts of climate change
  - Climate Adaptation Strategy for implementation into the next cycle of SBCAG's long-range transportation plan (RTP-SCS)

# Goals

- Identify best practices for adaptation and resiliency
  - *A Climate Smart Transportation Network*
- Minimize risk to critical, regional transportation infrastructure
- Identify risks in low-income communities and potential funding opportunities
- Regional level collaborative planning

# State Policy Context

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## California Transportation Plan (Goal 2, Policy 3)

- Recommend best practices for adaptation and resiliency

## 2017 Regional Transportation Plan (RTP) Guidelines (Caltrans)

- Consider climate adaptation in long-range transportation plans

## Caltrans Adaptation Planning Program

- SBCAG leverages role to coordinate partnerships at local, State, and Federal level
- Cost-benefit analysis

# Local Plans

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## County of Santa Barbara

- Multi-Jurisdictional Hazard Mitigation Plan (OEM 2017)
- Sea Level Rise and Coastal Hazards Vulnerability Assessment (2017)

## Goleta

- Coastal Hazards Vulnerability Assessment and Fiscal Impact Report (2015)

## Goleta Slough Management Committee

- Sea Level Rise and Management Plan (2015)

# Local Plans

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## Santa Barbara

- Sea Level Rise Adaptation Plan (ongoing)
  - Sea Level Rise Vulnerability Assessment (draft)

## Carpinteria

- Coastal Vulnerability and Adaptation Project (draft)

## Chumash Tribe

- Chumash Climate Change Transportation Vulnerability Assessment (ongoing)



# Group Discussion

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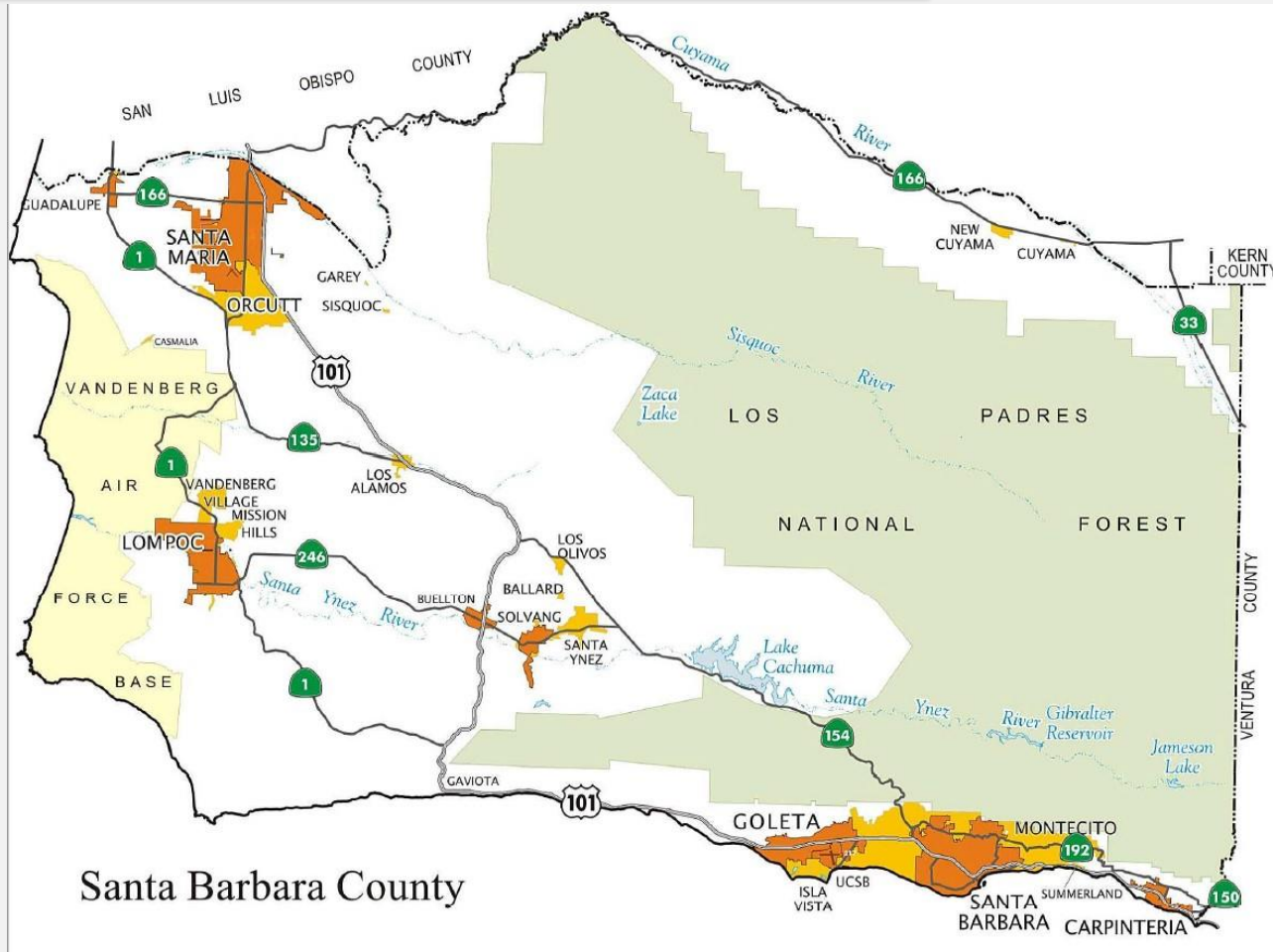
## Questions:

- As key stakeholders in this process, can you describe your vision for a resilient transportation network?
- What would a robust transportation system look like to you?
- Can you tell us any specific outcomes that you'd like to see emerge from this project?
- How will these outcomes help us realize the goals for a resilient transportation network?

# Project Overview / Next Steps

1. Region-wide Vulnerability Assessment (February-March 2019)
  - Where is regional transportation infrastructure most at-risk?
2. Identify potential adaptation strategies (June 2019)
  - Work with stakeholders to identify potential “climate-smart” solutions
3. Final report (August 2019)
4. Incorporate adaptation strategies into the SBCAG RTP (ongoing)

# Opportunities and Challenges



Santa Barbara County

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# Thank You