

# Sacramento Transportation Infrastructure Adaptation Plan

## Key Project Details:

- **Funding:** Caltrans Adaptation Planning Grant
- **Project Lead:** City of Sacramento (Office of Climate Action & Sustainability)
- **Project Sub-Applicant:** SacRT
- **Project Deadline:** April 30, 2026

## Task 1: Literature Review and Existing Conditions

Task 1 will review existing and projected climate-related hazards, critical transportation assets, related plans and projects, and transportation climate resilience best practices.

## Task 2: Vulnerability Assessment

The Vulnerability Assessment will build upon Task 1 to evaluate the vulnerability of existing transportation systems and infrastructure to natural hazards, particularly ones that may worsen with climate change (e.g., flooding, heat, wind, fire). The assessment will consider the sensitivity of critical transportation infrastructure to potential impacts, the level of exposure of infrastructure to climate hazards, and the adaptive capacity of the City, SacRT, and affected populations.

This task will develop a list of transportation system vulnerabilities based on climate impact type and transportation asset.

## Task 3: Resilience Strategies

Task 3 is divided into three subtasks: 1) a risk assessment and project prioritization, 2) a SacRT zero-emission bus (ZEB) Infrastructure Assessment, and 3) City Transportation Priorities Plan.

### *Subtask 3.1: Risk Assessment, Project Identification, and Project Prioritization*

The Risk Assessment will use Task 1 and Task 2 to evaluate the risk of each infrastructure asset and hazard combination (e.g., floodgates and flooding, traffic signals and extreme wind, etc.). This assessment will consider multiple hazard likelihoods and severities (e.g., different flood depths) combined with consequences (e.g., continuity of operation and connectivity, impact on residents, impact on environment, financial losses, etc.) to determine risk.

Project Identification will identify approaches to adaptation—using categories of “protect,” “accommodate,” or “retreat”—and potential projects aligned with these strategies.

Project Prioritization will evaluate and rank identified projects. Prioritization criteria will be developed through partner and agency engagement, and will consider factors such as alignment with City, SacRT, County, and state goals and plans; transportation continuity; reduction of risk; and funding feasibility. This subtask will assess the high-level benefits and costs (e.g., estimated capital and maintenance) for each project, including no action.

### *Subtask 3.2: SacRT ZEB Infrastructure Assessment*

The SacRT ZEB Infrastructure Assessment will review SacRT properties and systems for current and future refueling infrastructure requirements, assess flood risk to proposed charging and hydrogen refueling sites, and determine electrical infrastructure capacity and resilience to heat waves. Additionally, the assessment will evaluate potential service impacts in the case of grid failures, options for zero-emission back-up power, and other best practices for securing refueling and charging infrastructure.

### *Subtask 3.3: Climate Resilience within the City Transportation Priorities Plan*

Task 3.3 will review the City's Transportation Priorities Plan (TPP) for opportunities to incorporate climate resilience and adaptation best practices into the existing project list.

## **Task 4: Engagement**

The plan will be developed through multiple rounds of partner, agency, and community engagement. Key strategies include community surveys, community workshops (virtual and in-person), outreach through existing community meetings and events, interviews with staff from both the City and SacRT, and guidance from a Technical Advisory Committee (TAC) of key agency staff.

Project information will be shared via a webpage on the City's website, City and SacRT social media and other communication channels, and engagement with community-based organizations.

## **Task 5: Case Study and Final Plan**

A case study and final plan will summarize the project work and recommendations. The final plan will synthesize the deliverables and reports of Tasks 1-4.

The plan will be reviewed by agency staff, the project TAC, the general public, applicable City commissions, Sacramento City Council, and the SacRT Board of Directors.